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THIRTY-EIGHTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

STATE LUNATIC HOSPITAL

AT

WORCESTER.

OCTOBER, 1870.

BOSTON:
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1871.

OFFICERS OF THE HOSPITAL.

TRUSTEES.

Hon. HENRY CHAPIN, ...	*Worcester.*
WILLIAM WORKMAN, M. D., ...	*Worcester.*
Hon. SAMUEL E. SEWALL, ...	*Boston.*
ROBERT W. HOOPER, M. D., ...	*Boston.*

RESIDENT OFFICERS.

Superintendent and Physician, . . .	MERRICK BEMIS, M. D.
Assistant Physician—Male Department, .	H. O. PALMER, M. D.
Assistant Physician—Female Department,	MARY H. STINSON, M. D.
Matron, ...	CAROLINE A. BEMIS.
Steward and Treasurer, ...	DANIEL W. BEMIS, Office at the Hospital.

CHAPLAIN.

Rev. GEORGE ALLEN.

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Commonwealth of Massachusetts.

TRUSTEES' REPORT.

To His Excellency the Governor and the Honorable Council of the Commonwealth of Massachusetts.

The Trustees of the Worcester Lunatic Hospital submit their Thirty-Eighth Annual Report.

The reports of the Superintendent and Treasurer of the Hospital, herewith presented, give a full statement of the management of its affairs during the past year. Both reports are highly satisfactory to the Trustees, and sustain their confidence in those who are immediately connected with the daily details of the institution.

Dr. Joseph Draper, Assistant-Physician, having accepted a position in another hospital, resigned his office, to take effect on the first day of July last. On the 30th day of June last the Trustees adopted the following vote :—

" *Voted*, That we part with Dr. Draper with great regret, and we assure him that his uniform devotion to his duties while in this hospital, and his skill and judicious manner of treating the insane, and of holding intercourse with them, justify our opinion that he is well qualified to take charge of any lunatic hospital."

The vacancy has been acceptably filled by Dr. H. O. Palmer.

Time has demonstrated the wisdom and foresight of those pioneers in the cause of humanity, who nearly a half century ago gave their unselfish exertions to endeavors to produce a cor-

rect public sentiment upon the subject of insanity, and labored to procure for those unfortunate persons whose reason was dethroned, the care and attention which recognized insanity as a disease of the brain, subject to medical treatment, and with a reasonable prospect, in a great majority of cases, of being cured, if treated seasonably and skilfully. The following hospital statistics for the year ending September 30, 1870, show among other things the importance of early attention to the disease of insanity :—

	Males.	Females.	Total.
Patients in the Hospital October 1, 1869,	190	186	376
Admitted during the year,	196	188	384
Whole number under treatment,	386	374	760
Discharged recovered,	73	85	158
improved,	68	55	123
not improved,	6	–	6
Died,	41	23	64
Whole number discharged,	188	163	351
Remaining September 30, 1870,	198	211	409

Of those within the year there were

	Males.	Females.	Total.
Supported by the State,	60	78	138
by towns and cities,	57	43	100
by individuals,	79	67	146
Totals,	196	188	384

	State.	Town.	Private.	Total.
Number of different persons admitted,	138	100	146	384
Number remaining September 30, 1870,	35	193	181	409

The daily average number of patients was 396

The percentage of recoveries to the number discharged is forty-one per cent., or about seventy per cent. of those actually discharged from hospital treatment.

The percentage of recoveries to the number of recent cases admitted was nearly eighty per cent.

The percentage of deaths to the whole number was eight and four-tenths.

There exists in the minds of some persons great dread of submitting a friend suffering from this disease to hospital treatment, yet most insane persons can be treated more effectively in a quiet, well regulated hospital than in any other place. A comparison of the percentage of recoveries in new cases treated in the hospital with those which are managed at home will convince the mind of any unprejudiced person. It is not strange that affection should cling to its object and delay to apply the most effective remedies, but the sad sight meets us at every visitation, of patients now probably incurable, who might have been clothed and in their right minds, if the mistaken kindness of family and friends had not delayed too long to obtain for them the benefit of treatment in some hospital. There have been cases undoubtedly in which persons have been confined in hospitals as insane, when alleged insanity has been a cover for some unworthy object, but such instances, in public hospitals at least, must be exceeding rare. The absence of an adequate motive, on the part of merely salaried officers, to become a party to such iniquity, the monthly and the occasional visits of the trustees, the freedom of access to the friends of the patients, and especially the pure and elevated character which is always sought as an essential prerequisite to the appointment of those in the immediate charge of these institutions ought to satisfy every reasonable person that the chances for wrongful confinement in our hospitals are so remote that there seems to be but slight occasion for any anxiety upon this subject. Mistakes are liable to occur in the best regulated establishments, but the rule of the Worcester Lunatic Hospital is to carefully investigate the cases of the patients, and not to retain a person an hour after the cause of restraint has ceased.

The Trustees take the liberty to suggest whether some change is not needed in regard to the admission of patients both to public and private lunatic hospitals on the simple certificate of

two physicians. In this place it is sufficient to allude to this subject without going into an extended discussion of the modifications which the statute may require.

An interesting fact in the histories of this hospital and other hospitals, is the substantial equality in the number of patients of the different sexes. The history of hospitals, and the experience of the world, furnish evidence of the same result. In this matter, as in innumerable other instances, we are reminded of the simple statement of the Book of Genesis, "male and female created he them," and we learn that they all tend to demonstrate the wisdom and justice which are involved in the effort to give to each sex equal rights and equal advantages. Having this in view, and being impressed with the idea that it is due to the delicacy of the feminine nature, that the female patients in the hospital should have the benefit of the professional skill and attention of one of their own sex, in accordance with the recommendation of the Superintendent, the Trustees decided to employ a female assistant physician for the female department of the hospital. Miss M. H. Stinson, a regularly educated physician was employed a number of months ago, and has performed her duties to the acceptance of the patients and to the satisfaction of the Trustees.

The experience of those having the management of the hospital, tends more and more to the conclusion that a proper classification of the patients has much to do with success in their management and the hope of their restoration. It is very desirable to give to the patients, as far as possible, the benefit of a kind of family arrangement, and to secure for them the benefit of pleasant and quiet surroundings. It is proper to say, that the construction of the present buildings is not calculated for convenient classification under the most favorable circumstances, and the remarkable growth of the city as a manufacturing and mechanical community has so far surrounded the present location as to deprive it of the quiet which is so essential in the treatment of the insane. Since the Worcester Lunatic Hospital was erected, every railroad which enters the city has been constructed, every steam-chimney has been erected, and the innumerable car-bells and steam-whistles have here made the day busy and the night hideous by their almost constant exercise. If any one wishes to decide upon

what would be likely to be the effect of this state of things upon the sensitive nerves of an insane patient but recently committed, let him spend one night at the hospital in its present location.

Being fully satisfied that a change was necessary, and that the hospital estate, if prudently managed, may be sold for sufficient substantially to save the Commonwealth from ultimate loss, the Trustees petitioned the legislature for the year 1870 for authority to purchase lands within the city of Worcester for the location of a new hospital. The legislature responded generously to the petition of the Trustees, and authorized them to make the purchase. The Trustees have purchased a beautiful estate, containing about two hundred and seventy acres, for the sum of $110,950; and they take the liberty to ask the legislature to appropriate the sum of $30,000, to enable them to complete the payment of the purchase money for the estate and develop the property. They ask further for authority to sell or exchange portions of the estate, for the purpose of straightening the lines of the estate. The estate commences at the causeway at Quinsigamond Lake, bounds upon the east about one-third of a mile by the lake, and upon the south about one mile by Belmont Street, or the old Boston and Worcester turnpike. There are five dwelling-houses upon the estate, in which the family system will be commenced and tested. The estate is beautifully located upon an eminence, with a south and south-easterly exposure. It has an extensive and beautiful prospect, made up of land and water, and diversified by many attractions; a belt of woodland which breaks the force of the cold winds of winter; Bell Pond reservoir so located as to be above the level of the highest buildings which will be erected; the Boston and Albany Railroad passing so near that supplies can readily be furnished, and the whole estate is so located that although it is convenient of access, there is no danger that population or business will be brought so near to the proposed location of the buildings that the quiet of the establishment will be likely to be disturbed thereby. The price of the land seemed to be high, but upon the most careful consideration, the Trustees decided that it would be more prudent to pay the prices established, than to leave the question of compensation to arbitrators; especially when they found that His Excellency the governor, and his council, who visited the

spot at the special request of the Trustees, were unanimously of the opinion that the bargain should be closed; and good judges of real estate in the city of Worcester were of a similar opinion. The Trustees are satisfied that no better or more desirable estate could be procured, and under the care and supervision of our excellent Superintendent and Treasurer, they hope and believe that a plan of a lunatic hospital will be adopted and carried into operation which will combine the wisdom, skill and enlightened humanity which are the development of the last forty years of faithful and earnest attention on the part of those who from time to time have been connected with this institution.

HENRY CHAPIN,
WILLIAM WORKMAN,
SAMUEL E. SEWALL,
ROBERT W. HOOPER,
Trustees.

TREASURER'S REPORT.

To the Trustees of the Worcester Lunatic Hospital.

I herewith submit my Annual Report on the finances of the Worcester Lunatic Hospital, for the year ending September 30, 1870.

RECEIPTS.

Cash on hand September 30, 1869,	$5,655 11
received from the State for support of patients,	7,580 06
received from cities and towns,	33,784 00
received from individuals,	41,313 27
received from sale of farm products,	2,095 87
	$90,428 31

The expenditures of the year have been as follows:—

Provisions,—	
Flour, 590 barrels,	$4,571 75
Meal for cooking,	349 60
Fresh meats,	4,076 55
Salt meats,	4,232 90
Fresh fruits,	403 15
Beans and vegetables,	1,786 43
Sugar,	2,111 87
Coffee and chocolate,	740 96
Tea,	962 70
Rice and crackers,	433 38
Butter,	5,215 93
Molasses and sirup,	619 51
Vinegar,	150 34
Cheese,	120 26
Eggs, salt and groceries,	1,998 96
Fish,	882 40
Total for provisions,	$28,657 19

Furniture, crockery, bedding, &c.,	$3,860 38	
Light,	1,855 86	
Soap,	452 14	
Medical supplies,	814 77	
Live stock,	2,396 00	
Improvements and repairs,	4,637 03	
Travelling and transportation,	162 49	
Books, stationery, printing, &c.,	658 97	
Fuel,	3,149 55	
Freight and express,	215 78	
Ice,	366 45	
Trustees' expenses,	222 40	
Salaries and wages,	21,607 28	
Labor,	2,560 50	
Provender and bedding for stock,	2,590 07	
Miscellaneous,	1,508 65	
Total current expenses,	$75,715 51	
Clothing and materials,	3,973 75	
Undertaker's charges,	1,491 05	
Supplies to patients, on account,	1,361 09	
Cash on hand September 30, 1870,	7,886 91	
		$90,428 31

RESOURCES.

Due from cities and towns,	$11,194 56	
from individuals,	12,349 15	
from State of Massachusetts,	555 35	
Cash on hand,	7,886 91	
		$31,985 97

LIABILITIES.

Due for supplies and expenses,	$9,757 55	
for salaries and wages,	5,430 87	
		15,188 42
		$16,797 55
Invested funds, (market value,)		2,450 00
Total surplus,		$19,247 55

D. W. BEMIS, *Treasurer.*

WORCESTER LUNATIC HOSPITAL,
WORCESTER, Oct. 1, 1870.

We have examined the above account, with the vouchers, and find it correct.

HENRY CHAPIN,
WILLIAM WORKMAN,
Auditing Committee.

WORCESTER, October 1, 1870.

SUPERINTENDENT'S REPORT.

To the Trustees of the Worcester Lunatic Hospital.

GENTLEMEN:—In obedience to the laws of the Commonwealth, I have the honor to submit to you the Thirty-Eighth Annual Report of the Worcester Lunatic Hospital.

For the general results of the year, and the condition of the hospital in detail, you are respectfully referred to the following tabular statements, and such brief explanatory remarks as may accompany them.

TABLE No. 1.

Showing the general results during the year.

	Males.	Females.	Total.
Patients in the Hospital, Oct. 1, 1869, . .	190	186	376
Admitted during the year, ...	196	188	384
Whole number under treatment, . . .	386	374	760
Discharged recovered, ...	73	85	158
improved, ...	68	55	123
not improved, ...	6	–	6
Died, ...	41	23	64
Whole number discharged, ...	188	163	351
Remaining September 30, 1870, . . .	198	211	409

From this table it appears that three hundred and eighty-four patients were admitted during the year, of whom one hundred and ninety-six were males, and one hundred and eighty-eight were females.

At the close of the previous year, there were three hundred and seventy-six patients inmates of the hospital, of whom one hundred and ninety were males, and one hundred and eighty-six were females, so that there were seven hundred and sixty persons under treatment in the course of the year, of whom three hundred and eighty-six were males, and three hundred and seventy-four were females. The daily average number of patients in the hospital was three hundred and ninety-six.

The largest number of inmates during the year was four hundred and twenty-seven and the smallest number was three hundred and seventy-three.

The largest number of males at any one time was two hundred and fifteen and the smallest number was one hundred and eighty-four.

The largest number of females at any one time was two hundred and thirteen and the smallest number was one hundred and eighty-five.

The number of patients discharged was two hundred and eighty-seven ; of whom one hundred and fifty-eight were recovered, one hundred and twenty-three were improved, six were not improved, and sixty-four were removed by death.

The average number of residents exceeded that of the previous year by nine, and there were thirty-three more inmates at the close than at the commencement of the year.

The number of admissions exceeded those of the previous year by forty-seven ; the number of those discharged was less by nine ; and the number of those who died was greater by seventeen than during the previous year.

The ratio of recoveries is a fraction more than forty-five per cent. to the number of those discharged ; or a fraction more than fifty-five per cent. after deducting the number of those who died.

At the close of the year there were nine patients in the hospital who had recovered their usual degree of mental and physical health, and were awaiting the convenience of friends for their removal. If this number were added to the number of those discharged and tabulated, the ratio of recoveries to the number discharged, after deducting the number of those who died, will be increased from fifty-five per cent. to a fraction

more than fifty-eight per cent. And if eleven cases of recurrent mania be included in the tabular statement the per cent. of recoveries to the number of discharged will be increased from fifty-eight to sixty-one per cent.

Again, if seventy-nine patients who were transferred directly to other institutions be deducted from the whole number discharged the ratio of recoveries to the number discharged will be very nearly seventy-six per cent., or eighty per cent. if the patients who had recovered and were remaining in the hospital, be added to the number of those discharged.

Of those discharged improved, seven had so far regained their habits of self-control as to be able to return cheerfully and hopefully to their homes and resume their ordinary occupations with profit to themselves and their families.

Of those discharged not improved, four were confirmed epileptics, two were cases of chronic disease, long past all hope of improvement, and were hopelessly demented.

The rate of mortality was somewhat greater than during the previous year, but may be considered as quite moderate, if we regard the condition of many of the patients when admitted.

The percentage of deaths of the average number of residents was sixteen; but only eight and fonr-tenths per cent. if calculated on the whole number under treatment.

The proper tables of mortality will show that a large proportion of the deaths occurred to old and feeble persons who had long been afflicted with various forms of physical and mental disease and to whom death could be considered in no other light but that of a happy release.

Table No. 2.

Showing the Admissions and State of the Hospital from October 1, 1869, *to September* 30, 1870.

	Males.	Females.	Total.
Patients in the Hospital, October 1, 1869, . . .	190	186	376
admitted in the course of the year, . .	196	188	384
remaining in the Hospital, Sept. 30, 1870, .	198	211	409
Of the admissions there were cases of one year or less duration, ...	119	129	248
Of the admissions there were cases of more than one year's duration, ...	76	59	135
Of the admissions there were cases the duration of whose insanity could not be ascertained, . . .	1	–	1
Patients committed by Courts, ...	140	132	272
committed by Overseers of the Poor, . .	11	16	27
on bonds, ...	44	39	83
committed by Governor's warrant, . .	–	1	1
committed by the Board of State Charities, .	1	–	1
committed by Commissioners of Lunacy, .	–	–	–
Foreigners and those having no settlement in the State, committed in course of the year, . . .	60	78	138
Foreigners and those having no settlement in the State, discharged in course of the year, . . .	75	79	154
Foreigners and those having no settlement in the State, remaining in the Hospital, Sept. 30, 1870, .	15	20	35
Patients in this Hospital previously, ...	51	34	85
in other Hospitals in this State previously, .	12	3	15
in Hospitals of other States previously, .	4	2	6

State Paupers remaining in the Hospital at the close of each year, as nearly as can be ascertained.

1842, . . .	34	1852, . .	241	1862, . . .	189
1843, . . .	38	1853, . .	216	1863, . . .	175
1844, . . .	38	1854, . .	151	1864, . . .	116
1845, . . .	57	1855, . .	115	1865, . . .	91
1846, . . .	52	1856, . .	155	1866, . . .	129
1847, . . .	121	1857, . .	119	1867, . . .	101
1848, . . .	150	1858, . .	121	1868, . . .	95
1849, . . .	167	1859, . .	124	1869, . . .	51
1850, . . .	181	1860, . .	130	1870, . . .	35
1851, . . .	201	1861, . .	156		

The preceding table shows that two hundred and forty-eight patients were admitted to the hospital in the course of the year, whose insanity had existed one year or less previous to the date of their admission. Of this number ninety-two have actually

recovered their usual health and strength of mind, and have been discharged from the hospital and returned to their homes. Ninety others have been discharged in the various stages of improvement. Forty-three others who remain are improving in such a manner as to give great promise of ultimate recovery.

Other tables in this Report show that more than seventy-five per cent. of all patients admitted to the hospital who had been insane not more than one year previous to admission, have recovered their mental health and usefulness, and have been restored to their families and friends.

It would not be difficult to show that more than ninety per cent. of uncomplicated cases of mental disease are susceptible of recovery if placed under hospital treatment in the earlier stages of disease. And it may be shown also that a large proportion of those who are placed under treatment on the first appearance of disease recover their customary health within a period of six months. It may not be too much to hope that in the future we shall be able to reduce the period necessary for recovery to three months in all ordinary cases of mental disease.

This table also shows that two hundred and seventy-two patients were committed by order of the judges of the probate courts of the several counties, thus making their admission to the hospital an open, fair, legal proceeding of which none can complain. It seems to be, however, a measure of doubtful propriety to wait for the action of the probate court in all, or in a majority, of cases, before gaining an admission to the necessary and proper restraints of the institution. One hundred and ten patients were admitted without the intervention of the courts. Twenty-seven of these were placed in the hospital by the overseers of the poor of the towns in which they had settlements; and eighty-three were placed under treatment by their immediate friends, or voluntarily sought admission by themselves. In all cases the certificates of two physicians, given under oath, have accompanied the admission of the patients. One patient has been placed under treatment in the hospital by order of the judge of the superior court, and one by order of the board of state charities.

Of the three hundred and eighty-four patients admitted in the course of the year, two hundred and seventy-eight had

been inmates of some hospital for the insane. Eighty-five had, at some previous time, been inmates of this hospital. Fifteen had been inmates of other hospitals in this State, and six were known to have been inmates of hospitals in other States or countries.

Of the three hundred and eighty-four patients admitted in the course of the year, one hundred and thirty-eight were supported by the charity of the Commonwealth, one hundred were supported by towns and cities, and one hundred and forty-six by individuals.

Of the four hundred and nine patients remaining in the hospital September 30, 1870, thirty-five are supported by the Commonwealth, one hundred and ninety-three by towns and cities, and one hundred and eighty-one by individuals. Of the one hundred and eighty-one patients supported by individuals, only six were non-residents of the State at the time of admission, and all but two of these were former residents of the State, and at the time of becoming insane were only temporarily absent from their homes in this Commonwealth.

The number of patients admitted to the hospital since its opening in January, 1833, amounts to eight thousand nine hundred and nineteen, of whom four thousand four hundred and sixty-two have been males, and four thousand four hundred and fifty-seven have been females.

Of this number four thousand one hundred and thirty-six have been restored to health of body and mind, and discharged as recovered, one thousand eight hundred and seventy-eight have been discharged improved; the recoveries being in the ratio of forty-eight and five-tenths per cent. to the whole number. After deducting the number of those who remain under treatment, the ratio of those discharged improved is a fraction more than twenty-one per cent. to the whole number, after deducting the number of those who remain in the hospital.

The board of state charities have removed to other institutions, and to their homes in other States, eighty-three State patients in the course of the year. This number were all carefully examined by the agent of the board previous to removal, and it is believed that none were removed whose mental and physical condition did not warrant such a change.

But one really feeble patient, and no unusually violent, filthy or destructive person has been removed. I am informed that the feeble one who had quite recovered from mental disease has improved in physical health since her removal. In all cases where patients supported by the State have been removed to other institutions, or to their homes or friends, previous to recovery, their cases have been fully investigated, and their wishes consulted as far as possible; and when relatives and friends have been known, they have been fully informed of every change made in regard to the patients in whom they were personally interested.

Seventeen State patients have died in the course of the year, and a larger number than usual were removed by the board of state charities; a work rendered necessary by the largely increased number of admissions to the hospital during the year.

The Steward has paid to patients of all classes more than three hundred dollars for work done, in the hope of inducing thereby greater habits of industry among the inmates, many of whom are able to perform considerable labor, and also as a fair compensation for labor actually performed. For a few, places have been obtained in the neighborhood, where the patients could labor and receive wages. Several persons of both sexes have in this way earned considerable sums of money. Some male patients earned as much as fifteen dollars per week during the whole summer. Others earned smaller sums, varying from thirty to fifty dollars each.

Although the results of the year were in general satisfactory, they would have been more gratifying but for the removal of a number of patients before their entire recovery, or before sufficient time had been given for a fair trial of remedial treatment. Some who did not, would undoubtedly have recovered, if their friends had been aware of the chronic character of their malady, and of the importance not only of prompt treatment, but also of a steady persistence in the use of such means as were adopted for their relief after they had been placed in the care of the hospital.

Table No. 3.

Showing the Number Admitted, Restored, Improved, Died, &c., in each Month in the Year.

Months.	Admitted.			Removed.											Remaining.		
				Restored.		Improved.		Not Improved.		Died.		Totals.					
	Males.	Females.	Totals.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	T.	Males.	Females.	Totals.
October, . .	20	8	28	5	3	3	3	–	–	2	3	19	9	19	200	185	385
November, .	12	19	31	5	9	5	6	1	–	2	1	13	16	29	199	189	388
December, .	9	9	18	11	3	2	3	–	–	4	6	17	12	29	191	186	377
January, . .	12	14	26	4	3	11	7	–	–	4	4	19	14	33	184	186	370
February, .	12	15	27	1	2	1	2	–	–	3	4	5	8	13	191	193	384
March, . .	15	16	31	4	6	12	9	–	–	2	–	18	15	33	188	194	382
April, . . .	15	12	27	5	7	1	3	1	–	1	1	8	11	19	195	194	389
May, . . .	10	17	27	2	11	6	1	2	–	1	1	11	13	24	194	198	392
June, . . .	27	22	49	6	10	6	8	–	–	5	2	17	20	37	204	200	404
July, . . .	20	22	42	3	6	4	8	2	–	3	1	12	15	27	212	207	419
August, . .	20	14	34	12	9	5	2	–	–	11	–	28	11	39	204	210	414
September, .	24	20	44	15	16	12	3	–	–	3	–	30	19	49	198	211	409
Totals, . .	196	188	384	73	85	68	55	6	–	41	23	188	163	351	–	–	–

Table No. 4.

Showing the form of Disease in those Admitted and Discharged during the year.

Form of Disease.	Admitted.			Discharged.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Mania, ...	82	95	177	70	83	153
Mania, Chronic, . . .	42	43	85	38	35	73
Mania, with Epilepsy, . .	18	11	29	7	–	7
Mania, with general Paralysis,	14	2	16	2	–	2
Melancholia, ...	10	10	20	1	4	5
Dementia, ...	12	14	26	8	6	14
Dementia, Senile, . . .	7	5	12	3	4	7
Dementia, with Epilepsy, .	4	6	10	9	5	14
Dementia, with gen'l Paralysis,	3	–	3	7	1	8
Monomania of Fear, . .	2	–	3	1	1	2
Monomania of Suspicion, .	2	1	3	1	1	2
Totals, ...	196	188	384	147	140	287

Table No. 4 shows that fifty-seven per cent. of all the admissions are of a class usually denominated chronic, and are made up largely of epileptics, paralytics and those suffering under the various grades of dementia. While many of these may be expected to improve, none of them can ever be discharged as recovered. Thus the number of recoveries must be drawn from the forty-three per cent. of cases suffering from the more acute forms of mental disease.

The large proportion of patients admitted from year to year suffering from insanity of an incurable character, must remain and accumulate, and eventually call for largely increased accommodations. If only curable patients were admitted, the discharge by recovery, and by death, would very nearly balance the number of admissions, and so leave only a small margin of incurables at the end of each year.

If only curable patients, not in an exhausted condition, and whose insanity was not complicated with any organic disease, were admitted into the hospital, the recoveries should reach from eighty to ninety per cent. of the whole number of admissions; and about five per cent. would probably sink under the force of disease while undergoing treatment; so that only about five per cent. would remain a burthen to the community from their insanity becoming chronic and permanent.

From various causes, it is, however, found that in this and in almost all lunatic hospitals in the country, the proportion of incurable patients suffering from the various forms of mental disease greatly exceeds the curable. The ratio varies considerably, and the incurable must necessarily predominate in those districts distant from the hospitals where, from ignorance of the real character of hospitals, and the condition of their inmates, the friends of the insane neglect to provide for them the means of relief which might be obtained. Another reason for this state of things is found in the fact that the hospitals and asylums are already crowded to the utmost limits of their capacity. Another reason is the neglect of the State, hitherto, to provide such accommodations, and such means for relief, as are demanded by the choice of a large and respectable portion of the community. For these and similar reasons admission to a hospital is not obtained for a large class of cases, while they are recent, acute and curable, and only after they have become in-

curable and the friends have become weary of the burden of supporting them, or they have become troublesome and dangerous, is admission sought and sometimes with difficulty obtained.

It has always appeared to your Superintendent that while every possible facility should be afforded for the care and restoration of the recent and curable, that no means should be spared for the comfort and amelioration of the chronic and incurable. The incurable, so-called, sent to your hospital, in every particular, require as much care, the same treatment and supervision as those who are curable, and generally they do so for much longer periods of time before the violence of attack yields to the remedial and moral influences of the treatment adopted for its relief.

These incurable patients are as dangerous in their impulses, and require the same protection for their safety as the more hopeful cases do. They are as dangerous towards the community at large, and to those attending upon them during the periods of their excitement. Their passions are as wild and ungovernable; their despondency and gloom as deep and dark, and the perversion of their thoughts, feeling and actions is as complete as in those whom we regard susceptible of restoration to a sound state of mind. In fact some of the most dangerous forms of insanity are those generally regarded as entirely incurable. To these forms belong the epileptics, who suffer from paroxysms of blind and furious mania at variable and uncertain periods. In the same rank may be placed some of those who suffer from general paralysis, who, during their attack of recurrent mania of an exalted and ambitious nature, are frequently dangerous to themselves and others. And in almost all other forms of chronic insanity there are periods of exacerbation of a more or less violent and persistent character, which occur from time to time, and require for their reduction, and for the safety of the patient himself and the protection of others, that all the resources of a well-ordered hospital or asylum should be applied as fully, promptly and persistently as in the case of acute and curable patients.

Now it happens here, as elsewhere, that a majority of the patients placed under control and protection are the subjects of chronic mental derangement. Those who were responsible for the care of these persons, succeeded in retaining them in their

homes or in almshouses, during the earlier periods of their disease; but from some new source of danger of an unusual character making its appearance, or from the great degeneration of body and mind, and the perversion of all natural habits of both, which often follow in the course of mental unsoundness, they have at length been compelled to relinquish their charge and consign their friends to the hospital for care and protection, after all hope of restoration has departed.

Would not this class of patients be much more economically relieved and cared for by being placed at first in the hospital, whereby their recovery would have been promoted and the persons restored to society, competent to fill their stations in life after a much less prolonged course of treatment?

Table No. 5.

Showing the Pathological and Pathogenetic Causes of Insanity.

Causes.	1870.				Previously.			
	Number of Cases.		Number Pre-disposed		Number of Cases.		Number Pre-disposed.	
	Ma.	Fem.	Ma.	Fem.	Males.	Females.	Males.	Females.
Congenital,	2	1	2	1	23	19	23	19
Hereditary,	26	23	26	23	514	532	514	532
Periodical,	10	14	10	14	310	412	310	412
Apoplexy,	2	–	1	–	6	2	3	1
Paralysis,	13	4	5	1	113	48	21	11
Epilepsy,	20	10	5	2	224	93	69	28
Chorea,	–	1	–	–	2	5	–	1
Phrenitis,	–	–	–	–	9	7	3	5
Neuralgia,	–	–	–	–	5	7	2	2
Neurasthenia,	6	3	3	1	97	123	38	45
Fever,	5	1	–	–	60	85	28	34
Disease of Heart,	1	–	–	–	–	4	–	–
Anæmia,	–	–	–	–	35	30	10	9
Tuberculosis,	–	1	–	–	7	13	–	2
Pneumonia,	–	–	–	–	4	4	1	1
Bronchitis,	–	–	–	–	5	27	5	19
Influenza,	–	–	–	–	2	5	1	3
Asthma,	–	–	–	–	1	3	1	3
Pertussis,	–	–	–	–	1	1	–	1
Disease of Liver,	–	–	–	–	2	3	–	1
Dyspepsia,	2	1	1	–	15	13	6	3
Enterorrhœa,	–	–	–	–	9	3	4	3
Exanthemata,	–	1	–	–	10	13	5	6
Eruptions, Suppressed,	–	–	–	–	7	11	4	7
Excretions, Suppressed,	–	5	–	–	15	1	6	1

TABLE No. 5.—Continued.

CAUSES.	1870.				PREVIOUSLY.			
	Number of Cases.		Number Pre-disposed		Number of Cases.		Number Pre-disposed.	
	Ma.	Fem.	Ma.	Fem.	Males.	Females.	Males.	Females.
Renal Affections,	–	–	–	–	2	1	1	1
Menstrual Disorder and Uterine Disease,	–	8	–	3	–	152	–	64
Puerperal,	–	15	–	5	–	345	–	169
Turn of Life,	–	22	–	13	–	230	–	111
Hysteria,	–	2	–	1	–	32	–	15
Puberty,	–	4	–	–	1	10	–	6
Masturbation,	27	11	9	3	498	100	214	39
Excessive Venery,	1	–	–	–	2	–	1	–
Intemperance,	38	13	11	5	716	103	291	28
Use of Opium,	–	1	–	–	4	19	3	5
Use of Tobacco,	–	–	–	–	3	6	–	4
Domestic Trouble,	3	6	–	–	64	227	29	116
Domestic Affliction,	–	7	–	–	82	254	43	108
Disappointed Affection,	2	5	–	2	64	106	18	38
Disappointed Ambition,	–	1	–	1	9	10	8	4
Avarice,	–	–	–	–	8	2	7	2
Pecuniary Trouble,	3	1	1	–	191	41	104	17
Spiritualism,	1	1	–	–	28	31	12	14
Religious Excitement,	2	5	–	2	151	183	73	91
Political Excitement,	–	–	–	–	11	–	5	–
Fright,	–	1	–	–	16	27	5	6
Jealousy,	–	2	–	–	19	25	4	8
Seduction,	–	1	–	–	–	4	–	–
Abusive Treatment,	1	1	–	–	2	15	1	6
Nostalgia,	2	1	–	–	7	20	–	2
Mesmerism,	–	–	–	–	3	6	2	4
Criminal Trial,	–	–	–	–	–	1	–	–
False Accusation,	–	–	–	–	–	1	–	–
Imprisonment,	3	–	–	–	4	–	1	–
Theft,	1	–	–	–	–	1	–	–
Novel Reading,	–	–	–	–	–	2	–	–
Sudden Joy,	–	–	–	–	–	1	–	–
Inhalation of Chloroform, &c.,	–	–	–	–	–	2	–	–
Mineral Poisoning,	–	–	–	–	5	–	3	–
Vegetable Poisoning,	–	–	–	–	2	1	2	1
Insolation,	2	–	1	–	25	–	10	–
Injury to Head or Spine,	4	–	1	–	95	26	29	12
Incidental Injuries,	4	1	–	1	15	4	4	–
Scrofulosis,	1	–	–	–	7	9	1	2
Cancer,	–	–	–	–	1	2	–	1
Venereal Disease,	2	2	–	1	–	2	–	–
Old Age,	5	6	2	–	50	49	25	23
Unascertained,	7	6	–	–	705	755	–	–
Totals,	196	188	78	79	4,266	4,269	1,950	2,046

In Table No. 5 are given the assigned causes of the mental disease of the patients admitted during the year. Physical causes were supposed to have been concerned in producing the mental disturbance for which admission to the hospital was sought in three hundred and twelve cases, or about eighty per cent. of the admissions. Moral influences were recorded as the active agents in fifty-nine cases, or about fifteen per cent. of the admissions.

The prominent physical causes were intemperance; diseases affecting the brain and nervous centres, including those suffering from paralysis and epilepsy; the puerperal state and its consequences; the tendency to a recurrence of insanity derived from previous attacks; various deviations from the normal standard of health, as masturbation; the decay and degeneration which occur in persons at advanced periods of life; the mental prostration and delirium passing into insanity which follow various forms of disease, attended with changes in the quality of the blood; and the abnormal tendencies and defects observed in the organs of those born imbecile.

The chief moral causes are supposed to have been grief, anxiety, reverses of fortune, domestic and pecuniary difficulties, disappointment, and badly regulated and dissolute modes of life.

TABLE No. 6.

Showing the Ages of Patients Admitted, Discharged Recovered, not Recovered, and Died during the Year.

AGES.	ADMITTED.		DISCHARGED RECOVERED.		DISCHARGED NOT RECOVERED.		DIED.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Less than 15, .	2	3	–	1	1	1	–	–
From 15 to 20,	12	10	1	5	6	2	–	1
20 to 30,	47	45	7	20	19	16	6	1
30 to 40,	51	48	34	24	24	17	10	2
40 to 50,	38	43	16	22	14	15	9	4
50 to 60,	25	24	10	9	4	2	9	9
60 to 70,	14	8	5	2	4	1	4	3
70 to 80,	6	6	–	2	2	–	1	3
80 to 90,	1	1	–	–	–	1	2	–
Unknown, . .	–	–	–	–	–	–	–	–
Totals, . .	196	188	73	85	74	55	41	23

Table No. 7.

Showing the Ages of Patients Admitted, Discharged Recovered, not Recovered, and Died, from January 18, 1833, *to September* 30, 1870.

AGES.	Admitted.		Discharged Recovered.		Discharged not Recovered.		Died.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Less than 15, .	34	28	8	13	21	13	2	2
From 15 to 20,	358	254	134	153	77	77	16	16
20 to 30,	1,108	1,062	555	541	413	413	74	78
30 to 40,	1,063	1,119	500	530	449	417	114	105
40 to 50,	891	931	372	424	329	323	123	105
50 to 60,	488	511	218	242	182	174	87	91
60 to 70,	280	256	101	117	108	82	63	64
70 to 80,	122	86	27	30	29	25	55	29
80 to 90,	4	18	7	2	5	5	6	11
Unknown, . .	4	4	–	–	1	1	–	–
Totals, . .	4,181	4,269	1,922	2,052	1,614	1,530	540	501

Table No. 8.

Showing the Duration of Insanity before Admission of Patients Admitted, Discharged Recovered, not Recovered, and Died during the year.

DURATION OF INSANITY.	Admitted.		Discharged Recovered.		Disch'd not Recovered.		Died.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Insane 1 year or less, . .	114	122	56	66	33	29	20	13
More than 1 year and less than 2 years, ...	12	14	4	8	11	6	4	3
More than 2 years and less than 5 years, ...	39	27	3	6	12	9	11	1
More than 5 years and less than 10 years, ...	14	13	4	4	10	8	2	1
More than 10 years and less than 15 years, ...	5	4	2	1	5	2	1	2
More than 15 years and less than 20 years, ...	5	1	1	–	2	–	2	–
More than 20 years and less than 25 years, ...	2	5	2	–	–	–	–	2
More than 25 years and less than 30 years, ...	3	2	1	–	1	1	–	–
Thirty years or more, . .	1	–	–	–	–	–	–	–
Unknown, ...	1	–	–	–	–	–	1	1
Totals, ...	196	188	73	85	74	55	41	23

Table No. 9.

Showing the Duration of Insanity before Admission of Patients Admitted, Discharged Recovered, not Recovered and Died, from January 18, 1833, *to September* 30, 1870.

DURATION OF INSANITY.	Admitted.		Discharged Recovered.		Discharged not Recovered.		Died.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Insane 1 year or less, .	2,672	2,857	1,476	1,596	699	676	259	301
More than 1 year and less than 2 years, .	191	157	194	186	154	126	41	21
More than 2 years and less than 5 years, .	579	565	125	144	239	230	107	74
More than 5 years and less than 10 years, .	327	300	50	61	238	222	47	35
More than 10 years and less than 15 years, .	180	179	20	23	118	113	35	27
More than 15 years and less than 20 years, .	86	51	9	9	50	67	20	12
More than 20 years and less than 25 years, .	56	51	7	–	36	38	5	10
More than 25 years and less than 30 years, .	25	21	5	1	14	11	7	6
Thirty years or more, .	37	30	2	5	13	13	11	7
Unknown, . . .	113	58	24	21	53	34	8	8
Totals, . . .	4,266	4,269	1,912	2,046	1,614	1,530	540	501

Table No. 10.

Showing the Civil Condition of Patients Admitted, Discharged Recovered, not Recovered and Died, during the year.

CIVIL CONDITION.	Admitted.		Discharged Recovered.		Discharged not Recovered.		Died.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Unmarried, .	94	84	30	29	41	29	13	6
Married, .	89	73	39	45	30	15	23	12
Widowers, .	13	–	4	–	3	–	5	–
Widows, .	–	31	–	11	–	11	–	5
Unknown, .	–	–	–	–	–	–	–	–
Totals, .	196	188	73	85	74	55	41	23

Table No. 11.

Showing the Civil Condition of Patients Admitted, Discharged Recovered, not Recovered and Died, from January 18, 1833, *to September* 30, 1870.

Civil Condition.	Admitted.		Discharged Recovered.		Discharged not Recovered.		Died.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Unmarried,	2,228	1,800	953	815	974	784	204	206
Married,	1,803	1,907	883	973	558	563	267	196
Widowers,	209	–	82	–	66	–	63	–
Widows,	–	540	–	261	–	168	–	97
Unknown,	26	22	4	3	16	15	6	2
Totals,	4,266	4,269	1,922	2,052	1,614	1,530	540	501

Table No. 12.

Showing the Occupation of Patients admitted to the Hospital from January 18, 1833, *to September* 30, 1870.

Occupation of Males.	1870.	Previously.
Auctioneers,	–	2
Armorers,	–	3
Authors,	–	3
Agents,	2	–
Blacksmiths and Iron-workers,	1	74
Bakers,	–	16
Butchers,	–	9
Book-agents,	–	2
Book-binders,	1	4
Broom-makers,	–	2
Book-keepers,	2	10
Britannia-workers,	–	2
Brick-makers,	–	6
Bellows-makers,	–	2
Basket-makers,	1	–
Barbers,	1	19
Boot-makers,	4	337
Clergymen,	–	28
Carvers,	–	4
Carpenters,	7	139
Coppersmiths,	–	9
Coopers,	–	23
Cabinet-makers,	–	19
Clothiers,	–	16
Comb-makers,	–	4
Confectioners,	–	3
Card-makers,	–	1

TABLE No. 12.—Continued.

OCCUPATION OF MALES.	1870.	Previously.
Chair-makers,	–	3
Cigar-makers,	–	6
Clerks,	10	127
Carpet-weavers,	–	3
Caulkers,	–	3
Camphene-distillers,	–	3
Dyers,	–	3
Druggists,	–	4
Drovers,	–	3
Daguerreotypists,	–	5
Dentist,	1	–
Engineers,	–	4
Engravers,	–	4
Editors,	–	4
Expressmen,	–	14
Farmers,	22	807
Fishermen,	2	38
Gardeners,	–	11
Glass-blowers,	–	4
Hotel-keepers,	1	14
Hatters,	–	9
Harness-makers,	–	15
Hackmen and Teamsters,	–	37
Jewellers,	–	24
Lawyers,	–	16
Laborers,	33	967
Leather-cutters,	2	–
Manufacturers,	2	33
Millers,	1	6
Merchants,	5	171
Masons,	2	37
Miners,	–	4
Miniature-painter,	–	1
Mat-makers,	–	3
Musicians,	4	12
Machinists,	10	73
Moulders,	1	8
Mechanics,	3	–
Mariners,	2	163
Mail-agent,	1	–
Operatives in Mills,	11	115
Palm-leaf Splitter,	–	1
Painters,	3	55
Printers,	2	37
Physicians,	3	31
Paper-makers,	–	7
Peddlers,	–	18
Potters,	1	2
Pump and Blockmakers,	1	4
Pattern-makers,	–	6
Plumbers,	–	6

TABLE No. 12.—Concluded.

Occupation of Males.	1870.	Previously.
Police Officers,	–	3
Paper Hanger,	1	–
Rope-makers,	–	12
Restaurators,	2	13
Shoe-makers,	15	–
Sail-makers,	–	9
Soap-makers,	–	10
Sash and Blind-makers,	–	3
Sea-captains,	–	18
Students,	–	61
Ship-carpenters,	–	9
Shop-keepers,	–	8
Stone-cutters,	–	16
Soldiers,	2	31
Sexton,	–	1
Stevedore,	–	1
Surveyors,	–	2
School-boys,	7	35
Traders,	4	–
Tailors,	4	30
Teachers,	2	39
Tobacconists,	–	3
Tinners,	1	10
Tanners,	–	30
Teamster,	1	–
Umbrella-makers,	–	2
Vagrant,	1	–
Wheelwrights,	–	18
Watchman,	1	–
Wire-drawer,	1	–
No occupation,	11	257
Totals,	196	4,279
Occupation of Females.		
Actresses,	–	2
Cooks,	–	66
Engraver,	–	1
Housekeepers,	97	2,291
Housemaids,	24	456
Laundresses,	–	4
Music-teachers,	–	3
Midwives,	–	2
Nurses,	–	16
Operatives in Mills,	23	254
Seamstresses,	24	788
School-girls,	5	47
Teachers,	4	87
Type-setters,	–	3
Tailoress,	1	–
Vagrant,	1	–
No occupations,	9	249
Totals,	188	4,269

Table No. 13.

Diseases which have proved fatal, from January 18, 1833, *to September* 30, 1870.

Diseases.	1870.		Previously.		
	Males.	Females.	Males.	Females.	Totals.
Cerebro-Spinal Apparatus,—					
Apoplexy,	4	–	23	10	33
Palsy,	2	3	61	24	85
General Paresis,	5	1	22	2	34
Ramollissement; Organic Dis. of Brain,	–	–	–	2	2
Epilepsy,	10	5	68	29	97
Typhomania,	2	1	13	13	26
Mania a potu,	–	–	6	–	6
Meningitis,	–	–	2	1	3
Maniacal Exhaustion,	3	2	92	107	199
Cerebral Congestion,	1	–	4	1	5
Circulatory Apparatus,—					
Organic Disease of Heart,	2	–	7	20	27
Angina Pectoris,	–	–	1	–	1
Respiratory Apparatus,—					
Tubercular Phthisis,	3	4	56	80	136
Pneumonia,	–	–	15	12	27
Bronchitis,	–	–	2	1	3
Laryngitis,	–	–	1	–	1
Pleurisy,	–	–	–	1	1
Pulmonary Gangrene,	–	–	1	1	2
Pulmonary Congestion,	1	–	–	3	3
Asthma,	–	–	4	–	4
Hydrothorax,	–	–	3	2	5
Hœmoptysis,	–	–	1	1	2
Digestive Apparatus,—					
Jaundice,	–	–	1	4	5
Hepatitis,	–	–	1	–	1
Enteritis,	–	–	3	6	9
Pentonitis,	–	–	–	1	1
Dysentery,	–	–	13	9	22
Cholera,	–	–	4	–	4
Cholera Morbus,	–	–	4	3	7
Marasmus,	4	3	53	86	939
Inanition,	–	–	1	2	3
Genito-Urinary Apparatus,—					
Cystitis,	–	–	1	–	1
Menorrhagia,	–	–	–	2	2
Ovarian Disease,	–	–	–	1	1
General Diseases & Cachexias,—					
Fever, Typhoid or Continued,	–	–	6	13	19
Variola,	–	–	2	–	2
Erysipelas,	–	–	8	16	24

TABLE No. 13.—Continued.

DISEASES.	1870.		PREVIOUSLY.		
	Males.	Females.	Males.	Females.	Totals.
Dropsy, General,	–	–	3	6	9
Cancer,	–	–	2	4	6
Carbuncle,	–	–	–	1	1
Elephantiasis,	–	–	–	1	1
Anæmia,	–	1	–	1	1
Old age,	4	3	26	27	53
Accident,	–	–	3	–	3
Suicide,	–	–	19	18	37
Totals,	41	23	542	511	1,053

TABLE No. 14.

Showing the Admissions from each County, from January 18, 1833, *to September* 30, 1870.

	1870.			Previously.	Whole No.
	Males.	Females.	Totals.		
Barnstable,	–	–	–	128	128
Berkshire,	–	–	–	190	190
Bristol,	2	–	2	298	300
Dukes,	–	–	–	20	20
Essex,	30	26	56	1,273	1,329
Franklin,	1	1	2	128	130
Hampden,	–	–	–	378	378
Hampshire,	–	–	–	328	328
Middlesex,	66	66	132	1,596	1,738
Nantucket,	–	–	–	32	32
Norfolk,	6	9	15	664	679
Plymouth,	1	1	2	238	240
Suffolk,	9	9	18	785	803
Worcester,	81	76	157	2,428	2,585
Other States,	–	–	–	49	49
Totals,	196	188	384	8,535	8,919

Table No. 15.

Showing the Whole Number of Patients during the last year, the Average Number, the Number at the end of each year, the Expense of each year, the Annual Expense for each Patient, and the Expense of each Patient per week for each of the Thirty-eight years the Hospital has been in operation.

YEARS.	Whole Number.	Average Number.	No. at end of each year.	Current Expenses of each year.	Annual Expense for each Patient.	Expense per week for each Patient.
1833, . .	153	107	114	$12,272 91	$114 67	$2 25
1834, . .	233	117	118	15,840 97	135 38	2 60
1835, . .	241	120	119	16,576 44	137 30	2 64
1836, . .	245	127	138	21,395 28	168 44	3 12
1837, . .	306	163	185	26,027 07	159 64	3 07
1838, . .	362	211	218	28,739 40	136 20	2 62
1839, . .	397	223	229	29,474 41	132 16	2 53
1840, . .	391	229	236	27,844 98	121 59	2 32
1841, . .	399	233	232	28,847 62	123 81	2 38
1842, . .	430	238	238	29,546 87	111 12	2 13
1843, . .	458	244	255	27,914 12	114 40	2 20
1844, . .	491	261	263	29,278 75	112 17	2 15
1845, . .	656	316	360	43,888 65	138 88	2 66
1846, . .	637	359	367	39,870 37	111 06	2 13
1847, . .	607	377	394	39,440 47	104 62	2 01
1848, . .	655	404	409	42,860 05	106 09	2 05
1849, . .	682	420	429	40,870 86	97 31	1 87
1850, . .	670	440	441	46,776 13	106 40	2 04
1851, . .	704	462	466	52,485 33	112 61	2 16
1852, . .	775	515	532	43,878 35	85 20	1 64
1853, . .	820	537	520	53,606 66	103 14	1 98
1854, . .	819	430	381	53,221 52	123 77	2 38
1855, . .	580	349	336	54,895 88	157 29	3 02
1856, . .	577	357	376	45,631 37	128 64	2 47
1857, . .	647	387	372	49,004 75	124 04	2 38
1858, . .	679	372	301	38,267 26	102 86	2 39
1859, . .	501	309	317	48,363 33	156 51	3 01
1860, . .	532	324	331	47,757 01	147 39	2 83
1861, . .	583	369	379	54,748 53	148 37	2 84
1862, . .	600	401	396	53,043 88	132 18	2 50
1863, . .	611	398	399	66,082 36	166 03	3 19
1864, . .	625	366	344	66,612 00	182 00	3 50
1865, . .	565	350	343	73,772 41	211 37	4 06
1866, . .	630	368	381	88,398 73	239 28	4 60
1867, . .	669	389	355	86,930 88	223 47	4 30
1868, . .	651	370	382	72,054 59	197 60	3 80
1869, . .	719	387	376	81,440 58	209 04	4 02
1870, . .	760	396	409	75,715 51	191 20	3 68

Table No. 16.

Showing the Statistics of the Hospital from January 18, 1833, *to September* 30, 1870.

	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852
Whole number admitted,	153	119	113	125	168	177	179	162	163	198	220	236	293	277	240	261	273	241	263	309
Whole number discharged,	39	115	112	106	121	144	168	155	167	191	203	228	196	270	213	246	253	229	238	243
Discharged recovered,	25	64	52	58	69	76	80	82	82	88	116	124	122	154	103	136	138	125	111	103
Discharged improved,	7	22	23	17	23	24	29	29	36	25	32	40	25	31	23	32	26	15	38	34
Discharged not improved,	2	20	28	22	20	28	37	29	37	66	33	49	25	47	57	48	52	32	50	61
Died,	4	8	8	8	9	16	22	15	12	12	22	15	24	38	30	30	37	57	39	45
Eloped,	1	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Whole number in hospital during year,	153	233	241	245	306	362	397	391	399	430	458	491	556	637	607	655	682	670	704	775
Number remaining at end of each year,	114	118	109	138	185	218	229	236	332	238	255	263	360	367	394	409	429	441	466	532
Males admitted,	96	69	51	65	94	96	80	75	73	107	111	109	164	138	105	128	134	129	125	148
Females admitted,	57	50	62	60	74	81	99	87	90	91	109	127	129	139	135	133	139	112	138	161
Males discharged,	19	58	57	56	65	74	66	59	71	96	92	108	85	108	98	105	112	91	98	106
Females discharged,	15	48	46	41	47	54	80	81	84	83	89	105	87	124	85	111	104	81	101	92
Males died,	3	5	4	6	6	10	14	9	7	3	8	9	15	20	18	15	19	29	13	20
Females died,	1	3	4	2	3	6	8	6	5	9	14	6	9	18	12	15	18	28	26	25
Sent in by courts,	109	55	90	117	129	123	123	106	110	157	152	158	167	143	135	166	206	194	184	259
Sent in by friends and overseers,	44	64	23	8	39	54	56	56	53	41	68	78	126	134	105	95	67	47	79	50
Sent in by governor's warrant,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Males recovered,	13	33	27	32	37	45	32	28	37	44	53	56	64	72	48	67	70	60	56	55
Females recovered,	12	31	25	26	32	31	48	54	45	44	63	68	58	82	55	69	68	65	55	48
Average number in hospital,	107	117	120	127	163	211	223	229	233	238	244	261	316	359	377	404	420	440	462	515

TABLE No. 16—Concluded.

	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	Totals.
Whole number admitted,	288	299	199	241	271	307	200	215	251	221	215	226	221	289	288	296	337	384	8,919
Whole number discharged,	300	438	244	201	275	376	184	201	204	204	212	281	224	249	314	269	343	351	8,510
Discharged recovered,	145	122	109	97	150	127	89	129	131	124	104	130	105	89	158	110	149	158	4,136
Discharged improved,	36	53	26	46	75	174	52	35	35	39	65	102	58	95	101	92	136	123	1,871
Discharged not improved,	78	229	79	23	6	41	13	15	8	7	12	16	28	25	12	34	11	6	1,402
Died,	41	34	27	35	44	34	30	22	30	34	30	33	33	40	43	33	47	64	1,069
Eloped,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	4
Whole number in hospital during year,	820	819	580	577	647	679	501	532	583	600	611	625	565	630	669	651	719	760	–
Number remaining at end of each year,	520	381	336	376	372	301	317	331	379	396	399	344	341	381	355	382	376	409	–
Males admitted,	136	125	86	112	126	142	106	105	127	108	114	125	117	163	154	158	171	196	4,462
Females admitted,	152	174	113	129	145	165	94	110	124	113	101	101	104	126	134	138	166	188	4,457
Males discharged,	133	198	111	97	132	180	95	102	98	92	117	155	115	142	167	147	169	188	4,264
Females discharged,	166	240	133	104	143	196	89	99	106	112	94	126	109	107	147	122	174	163	4,246
Males died,	20	15	13	18	19	18	20	12	14	11	16	17	12	27	26	21	28	41	581
Females died,	21	19	14	17	25	16	10	10	16	23	14	16	21	13	17	12	19	23	524
Sent in by courts,	241	230	160	193	182	151	134	158	180	148	143	122	123	191	199	197	226	272	2,725
Sent in by friends and overseers,	47	57	36	48	89	67	66	57	71	21	71	94	90	87	86	95	109	110	2,511
Sent in by governor's warrant,	–	12	3	–	–	89	–	–	–	52	1	–	–	1	–	–	–	1	159
Males recovered,	65	45	50	46	74	55	43	65	63	58	51	70	51	42	86	62	69	73	1,995
Females recovered,	80	77	59	51	76	72	46	64	68	66	53	60	54	47	72	48	80	85	2,137
Average number in hospital,	520	430	349	357	387	372	309	324	369	401	398	366	350	368	389	370	387	396	326

Table No. 17.

Per Cent.

	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852
Per cent. of recovery of recent cases,	–	82	82	84	89	86	90	91	91	91	88	93	89.5	79	72	86	84	87	82	77
Per cent. of recovery of all discharges,	–	54	46	53	57	52	47	53	49	46	59	54	69.5	57	49	55	54	54	46	42
Per cent. of recovery of old cases,	–	20	18	19	25	15	17	22	21	16	29	24	31.5	28	17	19	24	21	18	18
Per cent. of admissions of the most prominent causes each year:—																				
Ill-health,	8	18	21	22	21	28	27	25	23	18	16	15	13	11	17	18	18	7	9	9
Religious,	9	6	7	7	6	9	5	4	4	9	13	9	7	10	6	1	2	4	2	3
The affections,	14	12	17	16	16	15	25	17	13	15	9	10	14	1	12	11	10	8	11	6
Property,	7	11	9	6	6	10	6	5	4	5	7	3	9	5	3	2	4	3	2	3
Intemperance,	25	24	23	15	10	16	8	12	12	8	6	8	10	10	7	5	4	3	4	2
Masturbation,	5	6	7	16	21	6	8	7	6	4	3	2	6	3	2	2	4	3	4	2
Per cent. of deaths of all in the hospital each year,	2.61	3.43	3.31	3.26	2.94	4.42	5.53	3.83	3.00	2.79	4.80	3.50	4.31	5.96	4.94	4.58	5.42	8.50	5.53	5.81
Per cent. of deaths of average number of residents each year,	3.70	6.80	6.66	6.30	5.50	7.58	9.86	6.55	5.15	5.00	9.00	5.74	7.59	10.55	7.95	7.92	9.00	12.95	8.00	8.73

TABLE No. 17—Concluded.

	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	Totals.
Per cent. of recovery of recent cases,	83	80	92	78	76	78	75	92	78	89	74.4	78	73	63	76	54	72	80	79.3
Per cent. of recovery of all discharges,	46	52	45	48	65	34	48	64	64	61	49.2	60.7	55	40	50	47	50	51	50.7
Per cent. of recovery of old cases,	24	29	17	15	30	20	18	19	30	26	21	18	17	10	11	42	28	18	20.9
Per cent. of admissions of the most prominent causes each year:—																			
Ill-health,	7	8	10	19	23	17	19	27	27	25	21	15	12	23	29	25	15	17	18.0
Religious,	4	3	4	3	1	–	1	1	1	2	–	–	–	–	–	2	1	2	3.9
The affections,	2	8	5	2	2	5	7	6	7	4	9	3	2	2	1	5	6	4	8.7
Property,	2	2	1	1	1	1	3	5	2	2	1	1	–	–	1	–	–	1	3.5
Intemperance,	2	4	2	9	9	4	11	9.7	15	9.5	11	1.2	12	6	7	11	9	13	9.4
Masturbation,	4	4	3	3	1	1	5	4.6	5	12	5.1	8	4	3	10	11	12	10	5.8
Per cent. of deaths of all in the hospital each year,	5.00	5.58	4.60	6.00	6.80	5.1	6.0	4.6	5.1	5.6	6.5	5.2	6.8	6.0	6.4	5.0	6.5	8.4	4.99
Per cent. of deaths of average number of residents each year,	7.88	7 90	7.70	9.80	11.0	9.1	9.7	6.4	8.1	8 4	7.5	–	9.3	10.0	11.0	9.0	12.0	16.0	8.1

TABULAR VIEW

Of the Condition of the Patients in the Hospital, from October 1, 1868, *to September* 30, 1869, *inclusive.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
582	1837 May 26	37	Female	Single	Love affair, . . .	6 months	Private Bond	33 yrs 4 mths	Remains	Not improved	Hereditary.	
876	1838 Dec. 28	24	Male	do	Unknown, . . .	3 do	Probate Court	31 yrs 9 mths	do	do	do	
895	1839 March 1	30	Female	do	Ill health, . . .	2 do	The Overseers	31 yrs 6 mths	do	do	do	
1092	1840 April 21	26	do	do	do . . .	6 years	Probate Court	30 yrs 5 mths	do	Improved		
1252	1841 April 29	31	do	Married	do . . .	2 months	Private Bond	30 yrs 5 mths	do	do		
1409	1842 Feb. 28	28	Male	Single	Unknown, . . .	1 year	Probate Court	30 yrs 7 mths	do	do		
1583	1843 Jan. 14	28	do	do	Masturbation, . .	6 years	do	27 yrs 9 mths	do	do	do	Periodical.
1772	Nov. 16	28	do	do	do . . .	7 do	do	26 yrs 9 mths	do	do		
1981	1844 Oct. 2	36	Female	Married	Unknown, . . .	5 do	do	26 yrs	do	do		
2047	1845 Jan. 8	21	Male	Single	Masturbation, . .	6 do	–	25 yrs 9 mths	do	Not improved		
2229	Sept. 8	27	Female	do	do . . .	2½ do	Probate Court	24 yrs 3 m 10 d	do	Improved	do	do
2280	Nov. 3	30	Male	do	do . . .	5 do	Private Bond	24 yrs 11 mths	do	Not improved	do	
2412	1846 April 18	26	do	do	Disappointment, . .	1 week	do	24 yrs 5 mths	do	Improved		
2419	May 11	48	do	Married	Unknown, . . .	6 months	do	24 yrs 4 mths	do	do	do	Sui. and do
2645	1847 April 16	44	Female	do	Domestic affliction, .	2 do	do	23 yrs 5 mths	do	Not improved	do	
2981	1848 July 11	24	do	Single	Ill health, . . .	5 years	do	22 yrs 2 mths	do	Improved		
3191	1849 May 12	28	Male	do	Unknown, . . .	4 months	Probate Court	21 yrs 4 mths	do	do		
3334	Nov 6	21	Female	do	Ill health, .	7 years	do	20 yrs 11 mths	do	do	do	

	1850												
3380	Jan. 23	23	Male	Single	Disappointed affections	6 months	Probate Court	20 yrs	8 mths	Remains	Improved	Hereditary.	
3427	April 2	35	Female	Married	Ill health, ...	5 years	do	20 yrs	6 mths	do	do	do	
3613	do 28	23	do	Single	Fever, ...	20 do	Private Bond	19 yrs	9 mths	do	Not improved	do	
	1853												
4414	Sept. 23	35	do	Married	Puerperal, . . .	1 week	The Overseers	17 yrs		do	do	do	Periodical.
	1854												
4493	Jan. 13	66	Male	Widower	Unknown, . . .	15 years	do	16 yrs	8 mths	do	Improved	do	do
4684	Aug. 31	45	do	do	Domestic affliction, .	11 do	Munic'l Court	16 yrs	1 mth	do	do		
4688	Sept. 2	65	do	Single	Unknown, . . .	30 do	The Overseers	16 yrs	1 mth	do	Not improved		
4741	Nov. 16	23	do	do	Masturbation, . .	5 do	do	15 yrs	10 mths	do	Improved	do	
4746	do 20	42	do	do	Unknown, . . .	6 do	Probate Court	15 yrs	5 m 27 d	Died	Exhaustion	do	
	1855												
4832	April 18	44	do	Married	Spiritualism, . .	3 do	do	15 yrs	5 mths	Remains	Improved	do	
4851	May 17	40	do	do	do . . .	5 do	do	15 yrs	4 mths	do	Not improved	do	
4882	July 27	28	Female	Single	Ill health, . . .	5 do	do	15 yrs	2 mths	do	do	do	
4959	Dec. 4	39	do	Married	Puerperal, . . .	4 weeks	do	14 yrs	9 mths	do	do		
	1856												
5157	Sept. 30	20	do	Single	Masturbation, . .	2 years	The Overseers	14 yrs		do	Improved		
	1857												
5417	Sept. 19	45	do	do	Unknown, . . .	2 months	Probate Court	13 yrs		do	do	do	
5433	Oct. 13	30	Male	do	Masturbation, . .	11 years	The Overseers	13 yrs		do	Not improved	do	do
	1858												
5560	April 15	30	do	do	Religious excitement, .	1 year	Private Bond	12 yrs	5 mths	do	Improved		
5599	June 3	52	Female	Married	Turn of life, . . .	8 years	do	12 yrs	5 mths	do	Not improved		
5602	do 9	25	Male	Single	Masturbation, . .	6 do	The Overseers	12 yrs	4 mths	do	do		
5662	Aug. 25	74	Female	Widow	Old age, . . .	2 do	Probate Court	12 yrs	1 mth	do	do		
5673	do 30	38	do	Married	Unknown, . . .	10 do	Gov. Order	12 yrs	1 mth	do	Improved	do	
5690	do 30	29	Male	Single	Masturbation, . .	9 do	do	12 yrs	1 mth	do	do	do	
5691	do 30	45	do	do	Unknown, . . .	7 do	do	12 yrs	1 mth	do	do	do	do
5694	do 30	45	do	Married	Spiritualism, . .	7 do	do	12 yrs	1 mth	do	do	do	
5735	Sept. 20	40	do	do	Domestic affliction, .	2 do	Probate Court	12 yrs		do	do		
	1859												
5850	Mar. 14	38	Female	do	Unfortunate marriage,	6 weeks	do	11 yrs	7 mths	do	do	Suicidal.	
5903	June 4	58	Male	do	Ill health, . . .	9 years	Private Bond	10 yrs	7 m 14 d	Died	Consumption		
5908	do 10	24	Female	Single	do . . .	9 do	do	11 yrs	4 mths	Remains	Not improved	Hereditary.	
6003	Nov. 29	55	Male	Married	Epilepsy, . . .	3 do	Probate Court	10 yrs	7 m 10 d	Died	Epilepsy		
6007	Dec. 8	29	Female	Single	Fever, ...	10 do	do	10 yrs	10 mths	Remains	Not improved		

TABULAR VIEW—*Continued.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1860											
6039	Feb. 14	43	Male	Married	Religious excitement, .	3 years	Probate Court	10 yrs 8 mths	Remains	Improved		
6047	do 25	36	do	Single	Masturbation, . .	4 do	The Overseers	10 yrs 7 mths	do	do		
6067	do 25	30	Female	Married	Injury by falling, . .	3 do	Probate Court	10 yrs 6 mths	do	Not improved		
6097	May 12	49	do	do	Unknown, . . .	14 do	Private Bond	10 yrs 4 mths	do	do		
6144	July 20	18	Male	Single	Masturbation, . .	2 do	The Overseers	10 yrs 2 mths	do	do		
6189	Sept. 22	31	Female	do	Unknown, . . .	6 do	Probate Court	10 yrs	do	do	Hereditary.	
6217	Nov. 6	40	Male	Married	Intemperance, . .	4 days	The Overseers	9 yrs 11 mths	do	Improved		
6225	do 15	35	Female	do	Unknown, . . .	3 years	Private Bond	9 yrs 11 mths	do	Not improved		
	1861											
6325	May 4	62	do	Single	Spiritualism, . .	1 year	do	8 yrs 7 m 4 d	Died	Exhaustion		
6350	do 31	46	do	do	Epilepsy, . . .	1 do	Probate Court	9 yrs 4 mths	Remains	Not improved		Periodical.
6354	June 4	38	do	Married	Unknown, . . .	3 years	The Overseers	9 yrs 4 mths	do	Improved		
6423	Aug. 23	60	do	Single	do . . .	20 do	Private Bond	8 yrs 4 m 14 d	Died	Consumption		
6448	Oct. 7	21	do	do	do . . .	12 do	Probate Court	9 yrs	Remains	Not improved		
6458	do 21	27	do	do	Disappointed ambition	1 year	do	8 yrs 11 mths	do	Improved		
6493	Dec. 2	49	Male	Married	Unknown, . . .	14 years	The Overseers	8 yrs 10 mths	do	Not improved		
6502	do 19	35	Female	do	do . . .	7 do	Private Bond	8 yrs 9 mths	do	do	do	do
6506	do 24	35	do	Single	do . . .	4 do	Probate Court	8 yrs 9 mths	do	do		
	1862											
6512	Jan. 8	32	Male	do	Epilepsy, . . .	10 do	do	8 yrs 9 mths	do	do		
6558	do 21	30	do	do	do . . .	5 do	Private Bond	8 yrs 6 mths	do	do		
6581	do 26	51	Female	Married	do . . .	10 do	do	7 yrs 5 m 23 d	Died	Epilepsy		
6582	May 2	73	Male	do	Unknown, . . .	3 do	do	8 yrs 4 m 7 d	do	Old age	do	
6591	do 22	60	do	do	do . . .	1 year	The Overseers	8 yrs 4 mths	Remains	Improved		
6597	June 2	36	Female	Single	Epilepsy, . . .	from birth	Private Bond	8 yrs 4 mths	do	Not improved	do	
6603	do 10	53	do	Married	Turn of life, . . .	2 years	do	8 yrs 4 mths	do	Improved		
6630	July 18	35	Male	Single	Unknown, . . .	9 do	Probate Court	6 yrs 9 m 9 d	Discharged	do		
6640	Aug. 1	50	do	Married	Ill health, . . .	3 do	do	8 yrs 2 mths	Remains	Not improved		
6707	Dec. 22	45	Female	Single	Unknown, . . .	4 do	do	7 yrs 9 mths	do	do		
6710	do 23	53	do	do	do . . .	7 do	Private Bond	7 yrs 9 mths	do	do		
	1863											
6724	Jan. 20	38	Male	do	do . . .	1 year	The Overseers	7 yrs 8 mths	do	Improved	do	Periodical.

6746	Mar. 3	40	Female	Single	Unknown, . . .	10 years	The Overseers	7 yrs 7 mths	Remains	Improved			
6777	May 6	34	do	Married	do . . .	10 do	Probate Court	7 yrs 5 mths	do	Not improved			
6810	June 12	42	do	Single	do . . .	7 do	Private Bond	7 yrs 3 mths	do	do			
6812	do 17	25	Male	do	Epilepsy, . . .	8 months	The Overseers	6 yrs 7 m 28 d	Died	Epilepsy			
6823	July 6	35	do	do	do . . .	2 weeks	Probate Court	7 yrs 2 mths	Remains	Not improved			
6828	do 31	43	do	Married	Loss of property, . .	4 months	do	7 yrs 2 mths	do	Improved	Suicidal.		
6833	Aug. 4	61	do	do	do . . .	2 years	Private Bond	7 yrs 1 mth	do	Not improved	Hereditary.		
6847	do 24	40	Female	do	Puerperal, . . .	1 year	do	7 yrs 1 mth	do	Improved	do	Periodical.	
6880	Oct. 5	40	Male	Single	Intemperance, . .	6 months	Probate Court	7 yrs	do	do			
6896	do 31	50	Female	do	Masturbation, . .	20 years	do	6 yrs 11 mths	do	Not improved			
6905	do 31	55	Male	do	Unknown, . . .	3 weeks	do	6 yrs 10 mths	do	do		Homicidal.	
6911	Dec. 2	44	do	do	do . . .	20 years	Private Bond	6 yrs 10 mths	do	do			
6912	do 4	27	Female	do	do . . .	20 do	do	6 yrs 10 mths	do	do			
6915	do 5	28	Male	do	Hard study, . . .	3 do	Board of S. C.	6 yrs 10 mths	do	Improved			
6919	do 12	37	Female	Widow	Ill health, . . .	3 months	Private Bond	6 yrs 10 mths	do	Not improved		Periodical.	
	1864												
6938	Jan. 8	19	do	Single	Unknown, . . .	2 years	The Overseers	6 yrs 9 mths	do	Improved			
6981	Mar. 25	27	do	Widow	Epilepsy, . . .	2 do	Probate Court	6 yrs 6 mths	do	Not improved			
6985	April 2	58	do	Married	Unknown, . . .	17 do	Private Bond	6 yrs 6 mths	do	do			
7005	May 8	43	Male	Single	do . . .	10 do	do	6 yrs 4 mths	do	Improved			
7008	do 11	40	do	do	Intemperance, . .	6 do	do	4 mths 26 dys	Discharged	Recovered			
7010	do 12	16	do	do	Epilepsy, . . .	2 do	do	6 yrs 5 mths	Remains	Improved			
7030	June 24	36	do	Married	Unknown, . . .	1 month	The Overseers	6 yrs 3 mths	do	do			
7036	July 5	26	do	do	Puerperal, . . .	1 year	Probate Court	2 yrs 4 m 8 d	Discharged	do	Suicidal.		
7053	do 20	35	do	Single	Ill health, . . .	10 years	The Overseers	6 yrs 1 mth	Remains	do	do		
7060	do 30	21	do	do	Masturbation, . .	3 weeks	Private Bond	11 mths 11 dys	Discharged	do	Hereditary.		
7061	Aug. 1	55	do	do	do . . .	22 years	do	6 yrs 2 mths	Remains	do			
7063	do 2	31	do	do	Epilepsy, . . .	10 do	do	6 yrs 1 mth	do	Not improved			
7064	do 4	20	Female	do	Ill health, . . .	7 months	Probate Court	6 yrs 1 mth	do	do	do	do	
7068	do 9	45	do	do	Unknown, . . .	1½ years	Private Bond	5 yrs 9 m 15 d	Died	Exhaustion	do	do	
7069	do 10	43	do	Married	Ill health, . . .	5 months	Probate Court	5 yrs 2 m 22 d	Discharged	Recovered	Suicidal.		
7100	Sept. 21	53	do	do	Turn of life, . . .	3 years	Private Bond	6 yrs 9 dys	Remains	Improved			
7112	Oct. 18	66	Male	do	Intemperance, . .	15 months	do	3 mths 11 dys	Discharged	Recovered			
7113	do 19	24	do	Single	Unknown, . . .	1 year	do	5 yrs 1 m 13 d	Died	Exhaustion			
7116	do 21	43	Female	Married	do . . .	14 years	do	5 yrs 10 dys	Remains	Improved			
7145	Dec. 9	68	Male	do	Intemperance, . .	5 do	Probate Court	5 yrs 9 mths	do	Not improved		do	
7149	do 13	70	Female	Widow	Unknown, . . .	1 week	Private Bond	5 yrs 9 mths	do	do		Homicidal.	
	1865												
7165	Jan. 11	48	Male	Single	Ill health, . . .	1 month	The Overseers	5 yrs 8 mths	do	Improved	do	do	

TABULAR VIEW—*Continued.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary	Homicidal. Periodical.
	1865											
7169	Jan. 20	33	Female	Single	Ill health, . . .	3 months	Probate Court	5 yrs 8 mths	Remains	Improved		Homicidal.
7173	do 26	45	do	do	Unknown, . . .	4 years	do	5 yrs 8 mths	do	do	Hereditary.	
7184	Feb. 22	26	Male	Married	do . . .	5 do	do	5 yrs 7 mths	do	do	do	do
7196	Mar. 8	27	do	Single	Epilepsy, . . .	5 do	Private Bond	5 yrs 7 mths	do	Not improved		
7221	April 19	32	do	do	do . . .	32 do	Probate Court	5 yrs 5 mths	do	do		
7225	do 24	40	Female	Married	Intemperance, . .	2 months	The Overseers	3 yr 10 m 28 d	Discharged	Improved		
7291	Aug. 5	69	Male	do	do . . .	15 years	Probate Court	5 yrs 1 mth	Remains	Not improved		do
7294	do 9	17	do	Single	Epilepsy, . . .	2½ do	do	5 yrs 1 mth	do	do		
7306	Sept. 1	70	do	Widower	Ill health, . . .	1½ do	Private Bond	1 yr 8 m 22 d	Discharged	Recovered		
7341	Oct. 24	22	Female	Single	Epilepsy, . . .	5 do	Probate Court	4 yrs 11 mths	Remains	Not improved		
7356	Nov. 11	24	Male	do	Masturbation, . .	3 months	do	4 yrs 20 ds	do	do		
7387	Dec. 9	69	Female	Widow	Intemperance, . .	1 month	Private Bond	4 yrs 9 mths	do	Improved		
	1866											
7403	Jan. 8	28	Male	Single	Epilepsy, . . .	4 months	The Overseers	4 yrs 8 mths	do	Not improved		
7410	do 12	65	do	Married	do . . .	10 years	Private Bond	4 yrs 8 mths	do	do	Suicidal.	
7421	do 27	60	do	do	Unknown, . . .	6 months	Probate Court	4 yrs 2 m 5 d	Discharged	Improved		Homicidal
7425	Feb. 5	54	do	do	Ill health, . . .	4 do	The Overseers	4 yrs 7 mths	Remains	do		
7431	do 12	42	do	Single	Masturbation, . .	2 years	Probate Court	4 yrs 7 mths	do	do		do
7436	do 14	26	Female	do	do . . .	3 do	Private Bond	4 yrs 4 mths	do	Not improved	Hereditary.	
7485	May 7	42	do	do	Ill health, . . .	20 do	Probate Court	4 yrs 4 mths	do	Improved		
7491	do 14	16	do	do	Epilepsy, . . .	5 do	do	4 yrs 4 mths	do	Not improved		
7507	June 6	50	Male	Married	Ill health, . . .	3 months	Sup. Court	4 yrs 21 dys	Died	Marasmus		
7508	do 7	29	Female	Single	Congenital, . . .	16 years	The Overseers	4 yrs 3 mths	Remains	Not improved	do	
7538	July 1	52	Male	do	Intemperance, . .	10 do	Probate Court	3 yrs 5 m 7 d	Discharged	Improved		
7550	do 12	61	do	Married	Pecuniary trouble, .	3 do	Private Bond	4 yrs 2 mths	Remains	do		
7568	Aug. 2	73	do	Widower	Old age, . . .	1 year	The Overseers	4 yrs 1 mth	do	Not improved		
7589	Sept. 1	35	Female	Single	Ill health, . . .	2 years	Probate Court	3 yrs 5 m 8 d	Discharged	Improved		
7595	do 6	17	Male	do	Masturbation, . .	4 do	Private Bond	3 yr 11 m 17 d	Died	Marasmus		
7600	do 12	22	do	Married	do . . .	1 month	Probate Court	7 mths 21 dys	Discharged	Improved		
7619	do 22	19	do	Single	do . . .	4 do	do	6 mths 28 dys	do	Recovered		
7624	Oct. 18	30	do	do	Epilepsy, . . .	Unknown	The Overseers	3 yrs 7 mths	do	Improved		
7634	Nov. 5	33	do	do	Ill health, . . .	1 week	Private Bond	5 mths 7 dys	do	Recovered		Periodical.

7645	do 21	66	Female	Widow	Unknown,	20 years	Probate Court	3 yrs 10 mths	Remains	Improved		
7677	Dec. 24	26	do	Married	do	3 weeks	do	3 yrs 9 mths	do	do		
	1867											
7702	Feb. 4	30	Male	Single	do	6 months	The Overseers	3 yrs 7 mths	do	do	Hereditary.	
7724	do 25	45	do	Married	Ill health,	1 week	Probate Court	3 yrs 5 m 28 d	Discharged	Recovered		
7735	Mar. 6	65	do	do	Paralysis,	18 months	do	3 yrs 5 m 19 d	Died	Palsy		Homicidal.
7747	do 27	56	Female	do	Ill health,	5 years	The Overseers	3 yrs 6 mths	Remains	Not improved	Hereditary.	
7754	April 1	36	do	Widow	do	10 months	Probate Court	2 yrs 9 mths	Discharged	Improved	Suicidal.	
7760	do 8	58	do	do	Puerperal,	25 years	Private Bond	3 yrs 5 mths	Remains	Not improved		
7761	do 9	57	Male	Married	Epilepsy,	29 do	The Overseers	3 yrs 5 mths	do	do		
7771	do 26	50	do	do	Ill health,	2 do	Probate Court	3 yrs 5 mths	do	do		
7784	May 10	45	do	Single	Masturbation,	9 do	The Overseers	3 yrs 4 mths	do	do	Hereditary.	
7791	do 14	47	Female	do	Ill health,	8 do	Private Bond	3 yrs 4 mths	do	Improved		
7799	do 23	85	do	Widow	Old age,	4 do	The Overseers	3 yrs 4 mths	do	Not improved		
7814	June 6	25	do	Single	Unknown	10 do	do	3 yrs 3 mths	do	Improved	do	
7817	do 11	38	do	Married	Ill health,	10 months	Probate Court	3 yrs 3 mths	do	do		
7839	July 2	21	Male	Single	Masturbation,	2 do	do	2 yr 10 m 10 d	Discharged	do		
7845	do 16	54	Female	Widow	Unknown,	14 do	do	3 yrs	Remains	do		
7846	do 10	38	do	Married	Ill health,	2 do	do	2 yrs 5 m 22 d	Discharged	do	Suicidal.	
7849	do 10	70	do	Single	Injury to head,	3 weeks	Private Bond	3 yrs 2 mths	Remains	do		Periodical.
7865	do 31	72	do	Widow	Old age,	7 months	Probate Court	2 yrs 2 mths	do	do		
7878	Aug. 14	47	do	Married	Turn of life,	3 do	do	2 yrs 4 m 17 d	Died	Paralysis		do
7882	do 19	34	Male	do	Intemperance,	4 years	do	3 yrs 1 mth	Remains	Not improved		
7896	Sept. 16	38	Female	do	Ill health,	4 do	The Overseers	3 yrs 15 dys	do	Improved	Hereditary.	
7898	do 19	29	Male	Single	Intemperance,	4 do	Probate Court	3 yrs 12 dys	do	Not improved		
7900	do 24	31	Female	do	Unknown,	6 months	do	8 mths 24 dys	Discharged	do		
7904	Oct. 1	19	do	Married	Masturbation,	19 do	do	3 yrs	Remains	do		
7917	do 24	31	Male	Single	Intemperance,	2 weeks	do	2 yr 11 m 8 d	do	Improved		
7918	do 26	60	Female	do	Unknown,	3 years	The Overseers	2 yr 11 m 6 d	do	do		
7939	Nov. 23	32	do	Married	Ill health	2 do	Probate Court	2 yr 10 m 8 d	do	do		
7940	do 25	39	do	Single	Unknown,	20 do	Private Bond	2 yr 10 m 5 d	do	do		
7943	Dec. 6	40	Male	Married	Epilepsy,	3 months	Probate Court	2 yr 9 m 26 d	do	Not improved	do	Suicidal.
7945	do 7	34	Female	do	Ill health,	3 weeks	do	2 yr 9 m 25 d	do	Improved		
7954	do 20	42	Male	do	Unknown,	6 months	Sup. Court	2 yr 9 m 12 d	do	do		Homicidal.
7957	do 24	34	do	Single	Epilepsy,	27 years	Private Bond	2 yr 9 m 8 d	do	Not improved		
7958	do 27	54	Female	do	Spiritualism,	5 do	Sup. Court	2 yr 9 m 5 d	do	Improved		
7964	do 31	23	Male	do	Masturbation,	3 weeks	Probate Court	2 yr 9 mth	do	Not improved	Suicidal.	
	1868											
7969	Jan. 7	37	do	do	Unknown,	1 week	do	2 yrs 19 dys	Died	Dis. of heart		

TABULAR VIEW—*Continued.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Suppoed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1868											
7973	Jan. 11	46	Male	Married	Paralysis, . . .	6 months	Probate Court	2 yr 4 m 27 d	Died	Exhaustion		
7985	do 31	60	do	Single	Unknown, . . .	5 years	Private Bond	2 yr 8 mths	Remains	Improved		Periodical.
7991	Feb. 12	7	Female	do	Epilepsy, . . .	4 do	Probate Court	1 yr 10 m 17 d	Discharged	do		
8001	do 24	35	Male	do	Unknown, . . .	10 do	Sup. Court	2 yr 7 m 6 d	Remains	do		Homicidal.
8004	do 28	66	Female	Widow	Puerperal, . . .	35 do	Probate Court	2 yr 7 m 2 d	do	do		
8008	Mar. 10	28	Male	Single	Ill health, . . .	From inf.	do	2 yr 6 m 22 d	do	do	Hereditary.	
8010	do 12	40	do	Married	do . . .	1 year	do	2 yrs 5 mths	Discharged	Not improved		
8017	do 19	24	Female	Single	Unknown, . . .	2 years	The Overseers	2 yrs 6 m 13 d	Remains	Improved	do	
8021	do 24	42	do	Married	Ill health, . . .	14 do	Probate Court	2 yrs 10 dys	Discharged	do	do	
8023	do 25	38	Male	Widower	Intemperance, . .	2 weeks	do	2 yr 6 m 7 d	Remains	Not improved	do	
8028	April 1	23	Female	Single	Unknown, . . .	2 years	do	2 yrs 6 mths	do	do		
8041	do 9	40	Male	Married	do . . .	10 do	The Overseers	2 yr 5 m 22 d	do	Improved		Periodical.
8052	do 20	56	do	do	Paralysis, . .	3 do	Probate Court	1 yr 5 m 24 d	Died	Paralysis		Homicidal.
8059	do 29	32	Female	Single	Unknown, . . .	1 year	Private Bond	2 yr 5 m 2 d	Remains	Not improved		
8064	May 4	44	do	do	do . . .	3 years	The Overseers	2 yr 4 m 28 d	do	do		Periodical.
8068	do 9	47	do	do	do . . .	16 do	Probate Court	2 yr 4 m 23 d	do	Improved	do	
8073	do 13	47	do	do	Turn of life, . .	2 weeks	do	2 yrs 23 days	Discharged	Recovered		do
8076	do 18	34	do	Married	Puerperal, . . .	8 years	Private Bond	2 yr 4 m 14 d	Remains	Improved		
8083	do 26	50	do	do	Ill health, . . .	10 do	Probate Court	2 yr 4 m 5 d	do	Not improved		do
8089	June 2	25	Male	Single	Epilepsy, . . .	2 do	Private Bond	1 yr 10 m 18 d	Discharged	do		
8097	do 16	22	do	do	Masturbation, . .	3 months	Probate Court	2 yr 3 m 15 d	Remains	Improved		
8100	do 17	60	Female	Widow	Old age, . . .	9 do	do	2 yr 3 m 14 d	do	do		
8102	do 19	36	Male	Single	Unknown, . . .	14 years	do	2 yr 3 m 12 d	do	Not improved	do	
8104	do 20	26	Female	do	do . . .	1 week	do	2 yr 3 m 11 d	do	Improved	do	and Suicidal.
8107	do 24	22	Male	Married	do . . .	3 months	The Overseers	2 yr 3 m 7 d	do	do	do	
8118	July 1	34	Female	Widow	do . . .	Unknown	Board of S. C.	2 yr 2 m 10 d	Discharged	Recovered		
8125	do 3	29	Male	Married	Domestic trouble, .	1 year	Probate Court	1 yr 8 m 21 d	Died	Epilepsy	do	do
8128	do 4	60	do	Single	Unknown, . . .	Unknown	Private Bond	2 yr 2 m 28 d	Remains	Improved		
8129	do 6	27	do	do	Masturbation, . .	6 months	do	2 yr 2 m 26 d	do	Not improved		
8141	do 20	38	do	do	Sun stroke, . . .	10 years	The Overseers	2 yr 2 m 12 d	do	do		
8145	do 21	62	Female	Married	Puerperal, . . .	30 do	Private Bond	2 yr 2 m 11 d	do	do		
8149	do 24	57	Male	do	Unknown, . . .	2 weeks	Probate Court	1 yr 4 m 6 d	Discharged	Recovered	do	Periodical.

8151	July	29	45	Female	Married	Unknown, . . .	14 years	Private Bond	2 yr 2 m 3 d	Remains	Improved		
8153	Aug.	7	51	do	do	Ill health, . . .	9 do	Probate Court	2 yr 1 m 25 d	do	do		Periodical.
8156	do	11	73	Male	do	Old age, . . .	7 do	do	2 yr 1 m 21 d	do	Not improved		
8159	do	14	25	do	Single	Masturbation, . .	7 months	do	1 yr 2 mths	Discharged	Improved		
8162	do	19	43	do	do	do . . .	15 years	The Overseers	2 yr 1 m 13 d	Remains	Not improved		
8163	do	22	71	Female	Married	Unknown, . . .	25 do	Private Bond	2 yr 1 m 10 d	do	Improved	do	
8164	do	22	37	do	Single	do . . .	11 do	do	2 yr 1 m 10 d	do	do	do	
8169	do	31	40	Male	Married	Intemperance, . .	8 do	Probate Court	1 yr 10 mths	Discharged	do		
8171	Sept.	2	37	Female	Single	Unknown, . . .	2 months	Private Bond	2 yr 1 mth	Remains	Not improved		do
8182	do	15	34	Male	do	do . . .	10 years	Probate Court	2 yr 16 dys	do	do		do
8191	do	28	72	do	Married	Old age, . .	1 year	Private Bond	2 yr 3 dys	Discharged	Improved	do	
8199	Oct.	1	38	do	do	Ill health, . . .	3 weeks	The Overseers	1 yr 1 mth	do	Recovered	do	do
8202	do	1	35	do	Single	Masturbation, . .	13 years	Private Bond	2 yrs	do	Improved		
8203	do	1	48	do	Married	Intemperance, . .	6 months	Probate Court	2 yrs	Remains	Not improved		do
8211	do	7	50	do	Single	Constitutional, . .	50 years	do	1 yr 1 m 25 d	do	do		
8217	do	10	40	do	Married	Paralysis, . . .	6 do	The Overseers	1 yr 11 m 21 d	do	do		
8218	do	13	39	do	Single	Injury to head, . .	16 do	Private Bond	1 yr 11 m 19 d	do	do		do
8223	do	19	38	do	do	Constitutional, . .	38 do	The Overseers	1 yr 11 m 13 d	do	Improved		
8225	do	24	56	do	Married	Unknown, . . .	–	Probate Court	1 yr 11 m 8 d	do	do	Hereditary and	do
8226	do	26	25	do	Single	Masturbation, . .	1 year	Private Bond	1 yr 11 m 6 d	do	Not improved		do
8233	Nov.	6	30	do	Married	Ill health, . . .	1 week	Probate Court	1 yr 10 m 25 d	do	do		
8241	do	14	37	Female	do	Unknown, . . .	16 months	Private Bond	1 yr 3 dys	Discharged	Improved		do
8242	do	16	41	Male	do	do . . .	10 days	Probate Court	1 yr 10 m 15 d	Remains	Not improved	do	Homicidal.
8244	do	20	80	do	Single	do . . .	30 years	Private Bond	1 yr 10 m 11 d	do	do		Periodical.
8247	do	24	24	do	do	Epilepsy, . . .	1 year	Probate Court	1 yr 10 m 7 d	do	Improved		
8248	do	24	42	do	Married	Intemperance, . .	12 years	do	1 yr 10 m 7 d	do	do		
8253	do	25	70	do	do	Apoplexy, . . .	2 do	The Overseers	1 yr 10 m 6 d	do	do		
8255	do	29	56	do	Single	Unknown, . . .	12 do	Private Bond	1 yr 10 m 2 d	do	do	do	
8268	Dec.	15	23	Female	do	Puerperal, . . .	1 week	Probate Court	1 yr 9 m 15 d	do	do		
8270	do	16	64	do	Widow	Unknown, . . .	1 year	The Overseers	1 yr 9 m 16 d	do	do	do and	do
8272	do	19	50	Male	Widower	Ill health, . . .	9 months	Probate Court	1 yr 9 m 13 d	do	Not improved		Homicidal.
8277	do	28	23	Female	Single	Epilepsy, . . .	2½ years	do	11 mths 7 dys	Died	Epilepsy		
8278	do	28	29	do	do	Disappointed affection,	6 months	Private Bond	10 mths 16 dys	Discharged	Improved		
8282	do	31	45	do	do	Turn of life, . . .	3 do	do	1 yr 10 m 6 d	Remains	do	Suicidal.	
	1869												
8290	Jan.	9	32	Male	do	Masturbation, . .	18 months	Probate Court	1 yr 7 m 9 d	Discharged	Improved		do
8291	do	12	60	do	Married	Unknown, . . .	3 weeks	do	11 mths	Died	Exhaustion		
8294	do	13	44	do	do	do . . .	4 months	do	10 mths 22 dys	do	Consumption	Hereditary.	
8295	do	13	41	Female	Single	Constitutional, . .	2 years	do	1 yr 8 m 12 d	Discharged	Recovered		

TABULAR VIEW—*Continued.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1869											
8296	Jan. 13	33	Female	Single	Unknown, . . .	9 years	Probate Court	1 yr 8 m 19 d	Remains	Improved		
8301	do 22	30	Male	do	Masturbation, . .	7 do	Private Bond	1 yr 8 m 10 d	do	Not improved		
8305	do 26	23	Female	Widow	Ill health, . . .	6 weeks	Probate Court	1 yr 23 dys	Discharged	Recovered	Hereditary.	
8309	Feb. 3	61	do	Married	Unknown, . . .	4 months	The Overseers	1 yr 7 m 26 d	Remains	Not improved		Periodical.
8310	do 3	18	Male	Single	Masturbation, . .	18 years	do	1 yr 4 m 5 d	Discharged	Improved	do	
8315	do 16	32	do	do	Unknown, . . .	–	Sup. Court.	10 mths 10 dys	do	do		do
8317	do 17	47	Female	Married	Puerperal, . . .	9 years	Probate Court	1 yr 7 m 12 d	Remains	do		
8318	do 20	35	do	do	Miscarriage, . .	16 months	do	9 mths 5 dys	Discharged	Recovered		Homicidal.
8319	do 22	49	do	Single	Unknown, . . .	1 year	do	9 yr 7 m 7 d	Remains	Not improved	do	and do
8320	do 22	50	Male	Married	do . . .	2 weeks	do	7 mths 14 dys	Discharged	Recovered		Periodical.
8322	do 25	21	do	Single	Over-exertion, . .	4 years	do	1 yr 7 m 4 d	Remains	Not improved		do
8323	do 28	41	Female	Widow	Unknown, . . .	3½ do	do	1 yr 7 m 1 d	do	Improved	do	do
8324	do 28	32	do	Married	do . . .	8 months	do	1 yr 7 m 1 d	do	do	do	do
8325	Mar. 1	54	Male	do	do . . .	2 weeks	do	1 yr 7 mths	do	Not improved		do
8327	do 2	34	do	do	Injury to head, . .	11 years	Private Bond	1 yr 7 mths	do	do		
8330	do 6	39	Female	Widow	Epilepsy, . . .	20 do	do	10 mths	Died	Epilepsy		do
8334	do 13	55	do	do	Unknown, . . .	–	The Overseers	1 yr 2 m 28 d	Discharged	Improved		do
8335	do 13	38	Male	Married	do . . .	3 years	do	1 yr 9 dys	do	do		do
8336	do 13	27	Female	do	do . . .	1 year	do	9 mths 25 dys	Died	Exhaustion		
8337	do 16	21	do	Single	do . . .	–	Probate Court	1 yr 1 m 7 d	Discharged	Recovered		do
8338	do 19	21	do	do	Fright, . . .	2 weeks	do	1 yr 6 m 13 d	Remains	Not improved		
8340	do 24	21	Male	do	Epilepsy, . . .	3 do	Private Bond	1 yr 22 dys	Discharged	Improved		
8343	do 27	43	do	Married	Religious excitement, .	2 do	Probate Court	8 mths	do	Recovered		
8347	do 30	36	Female	do	Unknown, . . .	1 week	do	1 yr	do	Improved		
8348	do 31	36	do	Single	do . . .	20 years	Private Bond	1 yr 6 m 1 d	Remains	Not improved		do
8350	Apr. 1	16	do	do	Fright, . . .	8 weeks	Probate Court	6 mths	Discharged	Recovered	Suicidal.	
8351	do 1	58	do	Married	Ill health, . . .	8 years	do	6 mths 22 dys	Died	Exhaustion	Heredit. and Homicidal.	
8354	do 1	23	Male	Single	Masturbation, . .	1½ do	do	1 yr 6 mths	Remains	Not improved		
8362	do 5	39	Female	Widow	Ill health, . . .	1 year	Private Bond	1 yr 17 dys	Discharged	Recovered		
8365	do 8	60	Male	Married	Unknown, . . .	2 weeks	Probate Court	8 mths 23 dys	do	Improved		Periodical.
8367	do 9	–	Female	Widow	Domestic affliction, .	10 do	do	1 yr 5 m 22 d	Remains	Not improved		
8372	do 16	75	do	Single	Ill health, . . .	–	–	7 mths 5 dys	Died	Old age		

8375	Apr.	17	40	Female	Married	Ill health, . . .	3 months	Probate Court	1 yr 5 m 14 d	Remains	Improved		
8379	do	20	34	Male	Single	Intemperance, . .	2 do	do	1 yr 16 dys	Discharged	Recovered		Periodical.
8381	do	21	33	Female	do	Unknown, . . .	2 do	do	1 yr 5 m 10 d	Remains	Improved		
8383	do	22	11	Male	do	Epilepsy, . . .	3 years	Private Bond	1 yr 11 dys	Discharged	Not improved		
8385	do	23	30	do	do	Masturbation, . .	–	Probate Court	6 mths 25 dys	do	Recovered	Hered. and	Homicidal.
8388	do	24	31	do	do	Intemperance, . .	–	Private Bond	10 mths 7 dys	do	do		
8389	do	27	50	do	Widower	Brain fever, . . .	2 months	Probate Court	1 yr 4 m 2 d	do	do		do
8394	May	8	50	do	Married	Congenital, . . .	6 weeks	The Overseers	6 mths 23 dys	Died	Exhaustion	Suicidal.	
8397	do	11	82	Female	Widow	Old age, . . .	7 years	Probate Court	6 mths 29 dys	Discharged	Improved	Hereditary.	
8399	do	12	45	do	Single	Turn of life, . .	2 do	do	1 yr 3 mths	do	do		
8401	do	12	51	do	Married	do . . .	2½ do	do	5 mths 20 dys	do	Recovered		Periodical.
8402	do	13	33	do	Single	Masturbation, . .	10 days	do	1 yr 4 m 19 d	Remains	Improved		do
8403	do	14	45	Male	Married	Unknown, . . .	1 month	do	6 mths 18 dys	Discharged	do		
8404	do	15	36	do	do	do . . .	5 months	do	1 yr 4 m 17 d	Remains	Not improved		do
8405	do	15	26	do	Single	do . . .	2 do	do	7 mths 9 dys	Discharged	Recovered		
8406	do	15	55	Female	Widow	do . . .	4 do	Private Bond	9 mths 8 dys	Died	Exhaustion	Suicidal and	do
8407	do	18	45	Male	Married	Gen. Paralysis, . .	1 year	The Overseers	1 yr 4 m 18 d	Remains	Not improved		Homicidal.
8410	do	22	44	Female	do	Domestic trouble, .	5 years	Probate Court	1 mth 12 dys	Died	Old age		Periodical.
8413	do	28	32	do	do	Puerperal, . . .	5 months	Private Bond	4 mths 24 dys	Discharged	Improved	do	
8422	June	4	23	do	Single	Masturbation, . .	4 do	Probate Court	1 yr 27 dys	do	do		
8424	do	5	48	Male	Married	Unknown . . .	–	do	7 mths 5 dys	do	Recovered		do
8425	do	7	38	do	Single	do . . .	15 years	The Overseers	1 yr 3 m 24 d	Remains	Improved	Homi. &	do
8428	do	10	28	Female	Married	Domestic trouble, .	10 days	Private Bond	5 mths 15 dys	Discharged	Recovered	Hereditary.	
8430	do	12	46	do	Single	Unknown, . . .	27 years	Probate Court	1 yr 3 m 19 d	Remains	Improved	Suicidal & Hered.	
8436	do	15	25	do	Married	do . . .	1 week	Private Bond	11 mths 27 dys	Discharged	Recovered		
8439	do	18	55	do	Widow	do . . .	5 years	Probate Court	1 yr 3 m 13 d	Remains	Improved		
8440	do	18	26	do	Single	Puberty, . . .	12 do	do	4 mths 13 dys	do	do	Hereditary	
8442	do	21	22	do	do	Unknown, . . .	2 do	do	11 mths 10 dys	Discharged	Improved	do	and Periodical,
8446	do	24	50	do	do	do . . .	2 months	Private Bond	10 mths 16 dys	do	Recovered		
8447	do	24	43	Male	Married	do . . .	2 weeks	Probate Court	6 mths 29 dys	Died	Exhaustion	do	do
8448	do	25	34	do	do	do . . .	1 week	do	4 mths 22 dys	Discharged	Recovered	do	do
8449	do	25	75	do	do	do . . .	10 years	Private Bond	1 yr 3 m 6 d	Remains	Not improved	do	
8450	do	26	17	do	Single	Injury from a fall, .	15 do	The Overseers	1 yr 3 m 5 d	do	do		
8452	July	29	44	do	Widower	– –	1 year	Probate Court	5 mths 2 dys	Discharged	Improved	Homicidal and	do
8455	do	1	36	do	Single	Epilepsy, . . .	19 years	do	1 yr 3 mths	Remains	Not improved		
8456	do	2	68	Female	Widow	Unknown, . . .	6 months	Private Bond	4 mths 26 dys	Discharged	Recovered	Hereditary and	do
8458	do	3	25	do	Married	Puerperal, . . .	2 weeks	Probate Court	1 yr	do	do		
8459	do	3	32	do	Single	Epilepsy, . . .	20 years	Private Bond	1 yr 3 mths	Remains	Improved	do	
8463	do	5	80	Male	Widower	Old age, . . .	1 year	do	4 mths 15 dys	Died	Senile Gangr.	do	

TABULAR VIEW—*Continued.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal Periodical.
	1869											
8464	July 7	33	Male	Married	Masturbation, . .	2 weeks	Private Bond	6 mths 8 dys	Discharged	Recovered		
8465	do 8	19	do	Single	do . .	1 month	Probate Court	1 yr 2 m 24 d	Remains	Improved		
8466	do 12	35	do	Married	Fever, ...	8 months	do	1 yr 2 m 20 d	do	do		
8467	do 12	57	do	Single	Masturbation, . .	6 do	do	1 yr 2 m 20 d	do	do		
8468	do 13	29	do	Married	Paraylsis, . . .	1 year	do	5 mths 10 dys	Discharged	Recovered		
8571	do 17	60	Female	Widow	Domestic affliction, .	2 years	Private Bond	1 yr 2 m 15 d	Remains	Improved		Periodical.
8472	do 20	34	Male	Single	Unknown, . . .	10 do	The Overseers	6 mths 5 dys	Died	Dis. of heart		
8473	do 20	30	Female	do	do . . .	–	Probate Court	9 mths 3 dys	Discharged	Recovered	Hereditary and	do
8474	do 21	41	Male	do	Masturbation, . .	2 years	The Overseers	1 yr 22 dys	do	Improved		
8475	do 22	48	Female	do	Turn of life, . . .	4 weeks	Probate Court	2 mths 23 dys	do	do	Suicidal.	
8478	do 24	62	do	Widow	Unknown, . . .	6 do	Private Bond	2 mths 28 dys	Died	Exhaustion	do & Her.	
8479	do 26	32	do	Single	do . . .	4 years	do	3 mths 17 dys	Discharged	Improved	Heredit. and	Periodical.
8480	do 26	53	Male	Married	do . . .	18 do	The Overseers	1 yr 2 m 6 d	Remains	Not improved		do
8483	do 30	72	Female	Single	Fall, ...	3 months	Private Bond	1 yr 2 m 2 d	do	Improved	Suicidal.	
8484	Aug. 2	49	do	Married	Unknown, . . .	7 years	do	1 yr 2 mths	do	Not improved	Hereditary.	
8486	do 3	50	do	do	do . . .	1 month	Probate Court	5 mths 23 dys	Died	Exhaustion	do	do
8487	do 5	33	do	do	Hysteria, . . .	1 week	Private Bond	3 mths 21 dys	Discharged	Recovered		do
8488	do 5	31	Male	do	Unknown, . . .	2 weeks	Probate Court	6 mths 25 dys	do	Improved		
8490	do 6	30	Female	do	do . . .	10 days	do	4 mths 8 dys	do	Recovered		do
8491	do 10	23	Male	Single	Masturbation, . .	5 weeks	do	1 yr 1 m 22 d	Remains	Not improved		
8492	do 10	25	Female	do	Neuralgia, . . .	8 months	do	1 yr 1 m 22 d	do	Improved		
8494	do 12	35	Male	Married	Domestic trouble, .	–	Board of S. C.	7 mths 18 dys	Discharged	do		do
8495	do 13	23	do	Single	Injury to head, . .	6 years	Probate Court	1 yr 1 m 19 d	Remains	Not improved		
8496	do 13	45	Female	do	Turn of life, . . .	6 months	do	5 mths 2 dys	Discharged	Recovered		
8498	do 16	47	do	Widow	do . . .	3 weeks	do	5 mths 12 dys	do	do		
8500	do 18	35	do	do	Domestic affliction, .	6 months	do	3 mths 14 dys	do	Improved		
8501	do 19	31	do	do	Fever, ...	5 do	Private Bond	8 mths 5 dys	do	Recovered	Suicidal.	
8502	do 20	29	do	Married	Miscarriage, . . .	1 month	do	1 yr 1 m 8 d	do	do		
8503	do 20	17	do	Single	Unknown, . . .	2 months	Probate Court	3 mths	do	do	Hereditary.	Periodical.
8504	do 20	38	do	Married	do . . .	–	do	3 mths 12 dys	do	Improved		
8505	do 21	43	do	do	Disease of brain, . .	3 months	Private Bond	1 mth 11 dys	do	do	Suicidal.	
8506	do 22	36	Male	Single	Unknown, . . .	–	do	4 mths 21 dys	do	do		do

8507	Aug.	24	34	Male	Married	Intemperance,	–	Probate Court	5 mths 20 dys	Discharged	Recovered		Periodical.
8508	do	24	65	Female	do	Turn of life,	18 years	Private Bond	1 yr 1 m 8 d	do	Improved	Hereditary.	
8509	do	26	50	Male	do	Unknown,	2 weeks	Probate Court	7 mths	Died	Apoplexy		do
8510	do	31	20	do	Single	Masturbation,	6 months	Private Bond	1 mth 14 dys	Discharged	Recovered		
8511	Sept.	2	28	Female	do	Disappointment in love,	4 years	Probate Court	4 mths 26 dys	do	Improved		Homicidal.
8512	do	6	37	Male	Married	Epilepsy,	4 do	The Overseers	1 yr 25 dys	Remains	Not improved		
8513	do	9	53	Female	do	Unknown,	2 do	Probate Court	2 mths 22 dys	Discharged	Improved		
8514	do	11	28	do	Single	Masturbation,	2 weeks	do	7 mths 5 dys	do	do		
8515	do	11	21	Male	do	do	1 week	do	4 mths 16 dys	do	do		Periodical.
8516	do	13	66	Female	Married	Neurasthenia,	3 months	do	9 mths	Died	Exhaustion		
8517	do	14	45	do	Widow	Unknown,	8 years	do	1 mth	Discharged	Improved		
8518	do	16	30	Male	Single	Masturbation.	–	do	6 mths 5 dys	do	do		
8519	do	16	34	do	Married	Intemperance,	2 weeks	do	3 mths	do	Recovered	Hered., Period. & Hom.	
8520	do	16	30	Female	do	Unknown,	–	do	6 mths 15 dys	do	Improved	do do	
8521	do	16	35	do	do	Puerperal,	1 year	do	1 mth 4 dys	do	Recovered		
8522	do	16	28	do	do	do	1 week	do	3 mths 7 dys	do	do		
8523	do	17	46	do	do	Turn of life,	9 months	The Overseers	10 mths 14 dys	do	Improved		
8524	do	18	34	Male	Single	Masturbation,	2 do	Probate Court	2 mths 13 dys	do	do		
8526	do	20	46	do	Married	Unknown,	2 do	Private Bond	11 dys	do	do	do do	
8527	do	21	50	do	do	Epilepsy,	5 years	Probate Court	1 mth 28 dys	Died	Epilepsy		
8528	do	22	24	Female	Single	do	7 do	do	2 mths 10 dys	Discharged	Improved		
8529	do	22	30	Male	do	Unknown,	1 week	do	8 mths 5 dys	do	do	do do	
8530	do	22	40	do	do	do	–	do	22 dys	do	do		
8531	do	24	53	do	Married	Religious excitement,	6 months	do	11 mths 9 dys	do	do		
8532	do	25	50	Female	do	Domestic trouble,	6 weeks	The Overseers	1 yr 6 dys	Remains	Not improved		
8533	do	25	21	do	Single	Paralysis,	4 months	Private Bond	1 yr 6 dys	do	do		
8534	do	25	33	Male	Married	Intemperance,	1 week	Probate Court	25 dys	Discharged	Recovered		Homicidal.
8535	do	29	40	do	do	Masturbation,	8 years	do	8 mths	do	Not improved		
8536	Oct.	1	41	do	do	Unknown,	3 weeks	do	26 dys	do	Recovered		Periodical.
8537	do	1	48	do	do	Organic dis. of brain,	4½ months	do	4 mths 21 dys	Died	Apoplexy		do
8538	do	5	32	do	do	Intemperance,	1½ years	do	2 mths 27 dys	Discharged	Improved		
8539	do	6	25	do	Single	Epilepsy,	23 do	do	11 mths 26 dys	Remains	Not improved		do
8540	do	7	45	Female	do	Turn of life,	2 do	do	3 mths 21 dys	Discharged	Improved		
8541	do	8	41	do	Married	Intemperance,	4 do	Private Bond	2 mths	do	Recovered		do
8542	do	9	41	Male	Single	Unknown	10 days	Probate Court	1 week	Died	Exhaustion		do
8543	do	12	45	Female	Married	Intemperance,	4 years	do	28 dys	Discharged	Recovered		do
8544	do	14	28	Male	Single	Epilepsy,	2 do	do	11 mths 18 dys	Remains	Not improved	Hereditary.	
8545	do	15	24	do	do	Masturbation,	2 do	Private Bond	2 mths 23 dys	Discharged	Improved		do
8546	do	15	59	do	Widower	Spiritualism,	2 weeks	The Overseers	2 mths 3 dys	do	Recovered		

TABULAR VIEW—*Continued.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1869											
8547	do 16	35	Male	Widower	Religious excitement, .	1 week	Probate Court	1 mth 19 dys	Discharged	Improved		
8548	do 19	50	do	Married	Unknown, . . .	1 year	do	13 dys	do	Not improved	Hereditary and	Suicidal.
8549	do 21	15	do	Single	Over exertion, . .	10 days	do	10 mths 23 dys	do	Recovered		Periodical.
8550	do 21	33	do	do	Unknown, . . .	2 months	Private Bond	1 mth 21 dys	do	do	do	
8551	do 22	20	do	do	do . . .	5 years	do	9 mths 16 dys	do	do	do	
8552	do 23	23	do	do	Pecuniary trouble, .	3 months	do	11 mths 9 dys	Remains	Improved		Suicidal.
8553	do 23	40	do	Married	Sunstroke, . . .	4 years	Probate Court	3 mths 4 dys	Discharged	do		
8554	do 25	68	do	Single	Gen. Paralysis, . .	6 months	Private Bond	13 dys	do	Not improved		
8555	do 26	38	do	Married	Intemperance, . .	4 do	Probate Court	1 mth 27 dys	do	Recovered		
8556	do 26	21	Female	Single	Epilepsy, . . .	7 years	do	11 mths 6 dys	Remains	Improved		
8557	do 27	52	do	Married	Unknown, . . .	1 week	do	2 mths 5 dys	Died	Exhaustion		Periodical.
8558	do 27	29	Male	Single	Disappointment in love,	1 year	do	11 mths 5 dys	Remains	Improved		
8559	do 27	43	Female	Married	Intemperance, . .	1 do	do	2 mths 5 dys	Discharged	do		
8560	do 27	20	Male	Single	Gen. Paralysis, . .	6 months	do	11 mths 5 dys	Remains	do		
8561	do 28	46	Female	Married	Turn of life, . . .	3 years	do	4 mths 23 dys	Discharged	do		do
8562	do 28	42	Male	Single	Pecuniary trouble, .	4 months	Private Bond	2 mths 22 dys	do	Recovered	do	
8563	do 29	45	Female	Widow	Turn of life, . .	6 do	Probate Court	4 mths 25 dys	do	Improved	Suicidal.	
8564	Nov. 1	45	do	Married	do . . .	2 do	The Overseers	2 mths 29 dys	do	Not improved		do
8565	do 3	40	do	do	Intemperance, . .	1 week	Probate Court	14 dys	do	Recovered		
8566	do 5	32	do	Single	Nervous exhaustion, .	2 months	Private Bond	6 mths	do	do		
8567	do 5	50	Male	Married	Unknown, . . .	3 weeks	Probate Court	10 mths 26 dys	Remains	Improved	Hereditary and	do
8568	do 6	23	do	Single	Masturbation, . .	6 do	do	10 mths 5 dys	Discharged	Recovered		
8569	do 8	24	do	Married	Intemperance, . .	3 months	do	2 mths 13 dys	do	Not improved	do	Suicidal.
8570	do 10	30	do	do	do . . .	3 weeks	do	4 mths 21 dys	do	Improved		
8571	do 11	25	do	Single	Disappointment in love,	3 months	The Overseers	3 mths	do	do		
8572	do 11	52	do	Married	Pecuniary trouble, .	4½ years	Probate Court	6 mths 21 dys	do	do	do	do
8573	do 12	30	Female	Single	Disappointment in love,	16 months	do	10 mths 19 dys	Remains	do		
8574	do 12	39	do	do	Unknown, . . .	2 weeks	do	5 mths 8 dys	Discharged	Recovered		Periodical.
8575	do 17	37	do	Married	Domestic affliction, .	1 week	The Overseers	2 mths 18 dys	do	do	do	
8576	do 18	35	do	Single	Intemperance, . .	1 week	Probate Court	4 mths 27 dys	Discharged	Recovered		
8577	do 18	22	Male	do	Masturbation, . .	1 do	Private Bond	10 mths 13 dys	Remains	Not improved		Periodical.
8578	do 19	21	Female	do	Unknown, . . .	2 weeks	Probate Court	4 mths 10 dys	Discharged	Improved		

8579	Nov. 19	33	Male	Married	Intemperance,	1 week	Probate Court	9 mths 8 dys	Died	Exhaustion		
8580	do 19	30	Female	do	Unknown,	15 years	The Overseers	5 mths	Discharged	Improved		
8581	do 20	34	do	Single	Epilepsy,	20 do	Probate Court	10 dys	do	do	Hereditary.	
8582	do 20	17	do	do	Puberty,	5 months	do	5 mths 17 dys	do	Recovered	Suicidal.	
8583	do 23	35	do	Married	Domestic affliction,	6 weeks	do	16 dys	Died	Exhaustion		
8584	do 23	49	do	Widow	Injury from fall,	3 do	The Overseers	2 mths 11 dys	do	Paralysis		
8585	do 23	60	Male	Married	Unknown,	25 years	Private Bond	16 dys	Discharged	Recovered		do
8586	do 27	16	Female	Single	Epilepsy,	5 do	Probate Court	7 mths 12 dys	do	Improved		
8587	do 27	59	do	Married	Unknown,	1 week	Private Bond	3 mths 11 dys	do	Recovered		do
8588	do 27	53	do	Single	do	3 months	do	5 mths 4 dys	do	do	Hereditary and Suicidal.	
8589	do 27	44	do	do	do	7 years	do	1 mth 13 dys	do	Improved	do	
8590	do 29	40	Male	Married	Paralysis,	1 month	do	3 mths 21 dys	do	Recovered		
8591	do 29	35	do	Single	Disappointment in love,	15 years	The Overseers	29 dys	do	Improved		
8592	do 29	63	Female	Widow	Domestic trouble,	12 do	Probate Court	10 mths 2 dys	Remains	do		
8593	do 29	33	Male	Married	Intemperance,	1 month	do	4 mths 2 dys	Discharged	do		
8594	do 30	35	Female	Widow	Hard work,	3 weeks	do	4 mths	do	do		do
8595	Dec. 1	30	Male	Married	Intemperance,	2 do	do	1 mth 4 dys	do	Recovered		
8596	do 1	21	Female	Single	Unknown,	2 do	do	5 mths 6 dys	do	do	do and Periodical.	
8597	do 2	50	do	Married	Turn of life,	1 year	do	19 dys	Died	Paralysis		
8598	do 2	65	Male	do	Paralysis,	9 months	do	9 mths 30 dys	Remains	Not improved		
8599	do 3	68	do	Single	do	8 do	Private Bond	3 mths	Discharged	Recovered		
8600	do 4	56	do	Married	Unknown,	12 years	The Overseers	9 mths 28 dys	Remains	Not improved		
8601	do 4	42	do	do	Injury to head,	2 do	do	8 mths	Died	Exhaustion	Suicidal.	
8602	do 6	22	Female	Single	Unknown,	1 week	do	1 mth 14 dys	Discharged	Recovered	Hereditary.	
8603	do 8	18	Male	do	Masturbation,	4 months	Private Bond	9 mths 24 dys	Remains	Improved		
8604	do 8	39	Female	Widow	Unknown,	4 do	Probate Court	4 mths 29 dys	Discharged	Recovered		
8605	do 10	30	do	Single	Masturbation,	1 week	do	1 mth 22 dys	do	Improved		do
8606	do 11	55	Male	Married	Unknown,	1 do	Private Bond	21 dys	do	Recovered	Periodical and Suicidal.	
8607	do 13	34	Female	do	Uterine disorder,	2 weeks	Probate Court	3 mths 4 dys	do	do	do	
8608	do 14	24	do	Single	Masturbation,	3 months	do	9 mths 18 dys	Remains	Not improved	Hereditary.	
8609	do 18	30	do	do	Epilepsy,	4 do	The Overseers	9 mths 14 dys	do	Improved	Suicidal.	
8610	do 27	23	Male	do	Masturbation,	5 years	Private Bond	23 dys	Discharged	Not improved		Periodical.
8611	do 27	43	Female	Married	Turn of life,	3 do	do	9 mths 5 dys	Remains	Improved		
8612	do 28	47	Male	Single	Unknown,	7 do	Probate Court	1 mth	Discharged	do		do
	1870											
8613	Jan. 1	38	Female	Married	Domestic affliction,	10 do	do	8 mths 10 dys	Discharged	Recovered	do	
8614	do 1	40	do	Widow	Ill health,	4½ do	do	9 mths	Remains	Not improved		
8615	do 1	61	Male	Married	Unknown,	1 month	do	3 mths 14 dys	Discharged	Recovered		do
8616	do 1	43	Female	do	Intemperance,	15 months	do	9 mths	Remains	Improved		

TABULAR VIEW—*Continued.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1870											
8617	Jan. 1	25	Female	Single	Epilepsy, . . .	8 years	Probate Court	9 mths	Remains	Not improved		
8618	do 4	60	Male	Married	Pecuniary trouble, .	3 months	Private Bond	3 mths 17 dys	Discharged	Recovered		
8619	do 4	49	do	do	Unknown, . . .	6 do	do	3 mths 11 dys	do	Improved	Heredit. and Suici.	
8620	do 5	50	do	do	do . . .	3 do	Probate Court	8 mths 27 dys	Remains	Not improved	do and	Periodical.
8621	do 6	28	Female	Single	do . . .	2 weeks	do	7 mths 8 dys	Discharged	Improved	do	do
8622	do 7	32	Male	Married	Paralysis, . . .	1 month	do	4 mths 15 dys	do	Recovered		
8623	do 8	20	Female	Single	Disappointment in love,	2 years	do	2 mths 22 dys	do	Improved		
8624	do 10	35	do	Married	Unknown, . . .	2 weeks	Private Bond	2 mths 13 dys	do	Recovered	do	do
8625	do 11	19	do	Single	Exposure at sea, . .	1 month	Probate Court	1 mth 7 dys	Died	Consumption		
8626	do 12	70	do	do	Unknown, . . .	1 do	Private Bond	8 mths 20 dys	Remains	Improved	do	do
8627	do 13	56	do	Widow	do . . .	13 months	do	8 mths 19 dys	do	Not improved		do
8628	do 13	28	Male	Single	Masturbation, . .	4 years	do	8 mths 19 dys	do	do		
8629	do 13	25	do	do	do . . .	2 months	Probate Court	15 dys	Discharged	Improved		
8630	do 14	30	do	Married	Paralysis, . . .	2 weeks	do	14 dys	do	do		do
8631	do 14	36	do	do	Intemperance, . .	1 month	Private Bond	8 mths 18 dys	do	Recovered	do	do
8632	do 19	17	do	Single	Epilepsy, . . .	1 do	Probate Court	2 mths 11 dys	do	Improved	do	do
8633	do 19	30	do	Married	Excessive venery, .	2 months	do	2 mths 11 dys	do	do		
8634	do 20	45	Female	Widow	Unknown, . . .	1 month	do	6 mths 25 dys	do	do		
8635	do 23	25	Male	Single	Masturbation, . .	2 years	Private Bond	5 mths 9 dys	do	do		do
8636	do 24	23	Female	do	do . . .	3 weeks	The Overseers	8 mths 8 dys	Remains	Not improved	do	do
8637	do 31	38	do	Widow	Domestic affliction, .	1 month	Private Bond	8 mths 1 dy	do	Improved		do
8638	do 31	48	do	Married	Unknown, . . .	2 weeks	Probate Court	3 mths 24 dys	Discharged	do		do
8639	Feb. 1	18	Female	Single	Amenorrhœa, . .	6 do	do	5 mths	do	do		
8640	do 1	52	do	Married	Intemperance, . .	3 years	The Overseers	8 mths	Remains	do		Periodical.
8641	do 3	26	do	Single	Menstrual derangem't,	4 months	Probate Court	3 mths 12 dys	Discharged	do		
8642	do 3	42	do	Married	Turn of life, . . .	2 weeks	do	2 dys	Died	Exhaustion		
8643	do 4	25	Male	do	Epilepsy, . . .	3 months	do	7 mths 10 dys	Discharged	Improved		
8644	do 4	26	do	do	Excessive venery, .	4 do	do	1 mth 25 dys	do	do		
8645	do 8	38	do	do	Unknown, . . .	15 years	do	7 mths 21 dys	Remains	do		do
8646	do 9	42	Female	do	do . . .	1 week	do	2 mths 26 dys	Discharged	Recovered		do
8647	do 10	17	Male	Single	Masturbation, . .	5 years	Private Bond	4 mths 19 dys	do	Improved	Hereditary.	
8648	do 10	12	Female	do	Puberty, . . .	6 months	Probate Court	5 mths 4 dys	do	Recovered	do	

8649	Feb.	10	74	Female	Widow	Unknown, . . .	1 month	Probate Court	7 mths 19 dys	Discharged	Recovered		Periodical.
8650	do	10	37	Male	Single	Intemperance, . .	20 years	do	24 dys	do	Improved	Hereditary.	
8651	do	10	42	Female	Married	Turn of life, . . .	2 do	do	7 mths 19 dys	Remains	do	do	
8652	do	10	24	do	do	Puerperal, . . .	1 month	do	1 mth 7 dys	Discharged	Recovered	Suicidal.	
8653	do	14	29	Male	do	Unknown, . . .	1 week	The Overseers	5 dys	Died	Exhaustion		
8654	do	16	22	Female	Single	Religious excitement, .	1 month	Probate Court	3 mths	Discharged	Recovered		
8655	do	17	58	Male	Married	Unknown, . . .	Unknown	Sup. Court	2 mths 2 dys	Eloped	Improved		
8656	do	18	20	Female	Single	Masturbation, . .	2 weeks	Probate Court	4 mths 11 dys	Discharged	do		
8657	do	19	65	do	do	Unknown, . . .	2 months	do	7 mths 10 dys	Remains	do	do	Hered. & do
8658	do	19	33	Male	do	Masturbation, . .	1 week	do	1 mth 25 dys	Discharged	Recovered		do
8659	do	19	23	Female	do	Unknown, . . .	3 months	do	5 mths 10 dys	do	Improved	Hereditary.	
8660	do	21	45	do	Married	Domestic trouble, .	6 years	Gov. Order	3 mths 6 dys	do	do		do
8661	do	21	24	Male	Single	Unknown, . . .	6 months	Probate Court	1 mth 7 dys	do	do		Homicidal.
8662	do	21	28	do	do	Concussion of brain, .	4 years	do	7 mths 8 dys	Remains	Not improved		
8663	do	24	42	do	Married	Intemperance, . .	4 months	do	4 mths 5 dys	Discharged	Improved	do	and Suicidal.
8664	do	25	24	Female	Single	Unknown, . . .	24 years	Private Bond	7 mths 4 dys	Remains	do	do	
8665	do	28	40	Male	Married	Concussion of brain, .	3 months	do	5 mths 10 dys	Died	Apoplexy	do	do
8666	Mar.	3	50	do	do	Domestic trouble, .	3 do	The Overseers	6 mths 29 dys	Remains	Not improved		do
8667	do	3	25	Female	Single	Domestic affliction, .	5 do	Probate Court	6 mths 29 dys	do	Improved		do
8668	do	4	75	Male	Married	Old age, . . .	3 years	Private Bond	6 mths 28 dys	do	Not improved	do	
8669	do	5	30	Female	Single	Unknown, . . .	6 months	Probate Court	25 dys	Discharged	Improved		
8670	do	5	55	do	Married	do . . .	1 week	Private Bond	3 mths 11 dys	do	Recovered		Periodical.
8671	do	5	32	do	Single	Masturbation, . .	2 years	Probate Court	6 mths 20 dys	do	do		
8672	do	7	22	Male	do	Unknown, . . .	2 months	do	5 mths 19 dys	do	do	Hereditary.	
8673	do	7	56	Female	Married	Disease of brain, . .	1 month	Private Bond	2 mths 6 dys	do	do		
8674	do	8	55	do	Widow	Unknown, . . .	3 years	Probate Court	6 mths 24 dys	Remains	Not improved	do	Period. & Sui.
8675	do	8	34	do	Married	do . . .	8 do	Private Bond	3 mths 16 dys	Discharged	Improved		
8676	do	9	26	do	Single	do . . .	3 months	Probate Court	21 dys	do	do		
8677	do	10	50	Male	Married	do . . .	1 week	do	2 mths 22 dys	do	Recovered		do do
8678	do	12	33	do	Single	Masturbation, . .	3 years	do	3 mths 20 dys	do	Improved		
8679	do	14	44	do	Married	Unknown, . . .	2 weeks	do	6 mths 18 dys	Remains	do	do	do Homi.
8680	do	14	44	Female	do	Domestic trouble, .	2 do	Private Bond	6 mths 18 dys	do	do		do
8681	do	15	24	Male	do	Typhoid fever, . .	3 months	Probate Court	6 mths 17 dys	do	Not improved		
8682	do	16	20	Female	Single	Amenorrhœa, . .	3 do	Private Bond	2 mths 22 dys	Discharged	Improved		
8683	do	19	22	do	Married	Puerperal, . . .	1 week	do	2 mths 24 dys	do	Recovered		
8684	do	21	35	Male	Single	Masturbation, . .	4 years	Probate Court	9 dys	do	Improved		Periodical.
8685	do	22	60	Female	Married	Unknown, . . .	1 week	Private Bond	3 mths 15 dys	do	Recovered		do
8686	do	22	75	do	Widow	Paralysis, . . .	12 years	Probate Court	3 mths 22 dys	Died	Paralysis		
8687	do	22	23	Male	Single	Unknown, . . .	4 days	Private Bond	6 mths 10 dys	Remains	Not improved		

TABULAR VIEW—*Continued.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Suppoed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1870											
8688	Mar. 22	59	Male	Widower	Unknown, . . .	18 months	Probate Court	6 mths 10 dys	Remains	Improved	Hered., Period. and Suici.	
8689	do 22	44	do	Married	Intemperance, . .	4 years	do	6 mths 10 dys	do	do	do	Homi.
8690	do 22	50	do	do	Concussion of brain, .	1 week	The Overseers	13 dys	Died	Exhaustion		
8691	do 25	35	do	do	Intemperance, . .	1 month	Probate Court	3 mths 13 dys	Discharged	Recovered		do
8692	do 25	36	Female	do	Puerperal, . . .	3 months	do	12 dys	Died	Exhaustion	do	
8693	do 26	40	do	do	Chorea, . . .	3 do	do	4 dys	Discharged	Not improved		
8694	do 28	32	Male	Single	Intemperance, . .	12 years	Private Bond	4 mths 15 dys	do	Improved		
8695	do 30	16	do	do	Epilepsy, . . .	8 do	Probate Court	1 mth 29 dys	do	do		
8696	do 31	23	Female	do	Disappointm't in love,	2 do	do	2 mths 10 dys	do	do		
8697	April 2	22	Male	do	Masturbation, . .	4 months	do	1 mth 23 dys	do	do		
8698	do 2	68	Female	do	Unknown, . . .	3 weeks	do	5 mths 29 dys	Remains	do		
8699	do 5	34	do	Married	Intemperance, . .	4 years	do	3 mths 26 dys	Discharged	Recovered		Periodical.
8700	do 5	27	do	do	Gen. Paralysis, . .	6 months	do	2 mths 5 dys	do	Not improved		
8701	do 5	24	do	Single	Scarlet fever, . .	8 years	do	5 mths 26 dys	Remains	do		do
8702	do 6	23	do	do	Unknown, . . .	1 year	do	5 mths 25 dys	do	Improved		
8703	do 13	19	Male	do	Epilepsy, . . .	9 years	do	5 mths 18 dys	do	Not improved		Periodical.
8704	do 16	50	do	do	Unknown, . . .	1 month	Private Bond	3 mths 26 dys	Discharged	Improved	Hereditary and	do
8705	do 16	32	do	do	do . . .	3 days	Probate Court	3 mths 15 dys	do	Recovered		do
8706	do 16	27	do	Married	do . . .	9 months	do	3 mths 22 dys	Died	Congestion	do	and Suicidal.
8707	do 16	43	do	Single	Gen. Paralysis, . .	2 weeks	Private Bond	5 mths 15 dys	Remains	Not improved		
8708	do 18	45	do	Married	Intmeperance, . .	3 weeks	Probate Court	4 mths 28 dys	Discharged	Recovered		
8709	do 20	27	do	Single	Epilepsy, . . .	4 years	do	2 mths	Died	Epilepsy		
8710	do 20	31	do	do	Unknown, . . .	3 months	do	2 mths	do	Consumption		
8711	do 21	29	do	Married	do . . .	10 years	do	2 mths 10 dys	Discharged	Improved	Periodical and	do
8712	do 22	40	Female	Widow	Domestic trouble, .	5 do	do	1 mth 18 dys	do	do	do	
8713	do 25	33	do	Single	Masturbation, . .	1 week	do	1 mth	do	do		do
8714	do 25	22	Male	do	Imprisonment, . .	18 months	do	5 mths 6 dys	Remains	Not improved		
8715	do 26	38	Female	Widow	Unknown, . . .	1 month	do	2 mths 19 dys	Discharged	Improved		
8716	do 27	50	do	do	do . . .	1 week	do	5 mths 5 dys	Remains	Not improved	Hereditary.	
8717	do 27	20	do	Single	do . . .	1 do	do	1 mth 13 dys	Discharged	Recovered		do
8718	do 28	30	Male	Married	do . . .	1 do	do	1 mth 26 dys	do	do		
8719	do 28	75	do	Widower	Old age, . . .	4 years	do	3 mths 5 dys	Died	Old age		

8720	April 28	41	Female	Single	Domestic affliction, .	6 months	Probate Court	5 mths 3 dys	Remains	Not improved			Suicidal.
8721	do 29	50	do	Married	Miscarriage, . .	3 do	do	5 mths 2 dys	do	do	Heredit.	and Homi.	
8722	do 29	41	Male	Single	Masturbation, . .	5 years	Private Bond	1 mth 18 dys	Discharged	Improved			do
8723	do 30	24	do	Married	Unknown, . . .	1 month	Probate Court	26 dys	do	do			
8724	May 2	65	do	do	Domestic trouble, .	1 do	Private Bond	4 mths 30 dys	Remains	do	do	and Suicidal.	
8725	do 2	52	Female	Widow	Unknown, . . .	3 months	Probate Court	4 mths 30 dys	do	do			
8726	do 2	22	do	Single	do . . .	6 do	Private Bond	4 mths 30 dys	do	do			do
8727	do 3	48	Male	do	Gen. Paralysis, . .	2 do	Probate Court	4 mths 29 dys	do	do	Hereditary.		
8728	do 7	59	do	Married	Unknown, . . .	3 years	Private Bond	4 mths 25 dys	do	do			
8729	do 10	33	do	Single	Epilepsy, . . .	25 do	Probate Court	22 dys	Discharged	do	Periodical.		
8730	do 10	25	Female	do	Unknown, . . .	3 weeks	do	1 mth 6 dys	do	do			
8731	do 13	41	Male	Widower	Epilepsy, . . .	2 years	do	4 mths 8 dys	Died	Epilepsy			
8732	do 18	39	do	Married	Gen. Paralysis, . .	5 do	do	3 mths 12 dys	Discharged	Improved	Hereditary.		
8733	do 19	21	Female	Single	Masturbation, . .	1 year	do	4 mths 13 dys	Remains	Not improved			
8734	do 19	29	do	do	do . .	1 month	do	28 dys	Discharged	Improved	Periodical.		
8735	do 20	52	do	do	Unknown, . . .	2 years	do	1 mth 18 dys	do	do			
8736	do 21	29	do	do	Domestic trouble, .	3 months	Private Bond	3 mths 4 dys	do	Recovered			
8737	do 21	28	do	do	Sunstroke, . . .	1 year	Probate Court	4 mths 11 dys	Remains	Improved			
8738	do 21	46	do	Married	Turn of life, . .	2 years	Private Bond	4 mths 11 dys	do	do			
8739	do 22	38	do	Single	Unknown, . . .	12 do	Probate Court	4 mths 10 dys	do	do	Hered.,	Period. & Hom.	
8740	do 24	27	do	Married	Puerperal, . . .	3 weeks	Private Bond	2 wks	Discharged	Recovered			
8741	do 25	33	Male	Single	Epilepsy, . . .	10 years	Probate Court	3 mths	Died	Epilepsy			Periodical.
8742	do 25	45	Female	Widow	Turn of life, . . .	2 do	do	4 mths 7 dys	Remains	Not improved	Hereditary.		
8743	do 25	35	do	Single	Unknown, . . .	3 months	Private Bond	4 mths 7 dys	do	Improved	do		
8744	do 26	40	Male	do	do . . .	3 do	Sup. Court	1 mth 12 dys	Discharged	do			do
8745	do 26	30	Female	Widow	do . . .	5 years	Probate Court	2 mths 6 dys	do	do			do
8746	do 26	32	do	Single	Epilepsy, . . .	5 do	The Overseers	4 mths 6 dys	Remains	Not improved			
8747	do 26	31	do	Widow	Unknown, . . .	3 months	do	4 mths 6 dys	do	do			
8748	do 30	30	Male	Single	do . . .	6 do	do	2 mths 2 dys	Discharged	Improved			
8749	do 31	32	do	do	Masturbation, . .	1 month	Probate Court	3 mths 15 dys	do	do			
8750	do 31	52	Female	do	Unknown, . . .	1 do	Private Bond	3 mths 10 dys	do	Recovered			do
8751	June 1	40	do	Married	Epilepsy, . . .	1 week	Probate Court	8 dys	Died	Exhaustion			do
8752	do 1	43	do	Single	do . . .	6 months	do	3 mths 15 dys	Discharged	Improved	do		
8753	do 1	40	do	do	Unknown, . . .	2 weeks	do	1 mth 6 dys	do	Recovered	Suicidal.		
8754	do 1	23	Male	do	Epilepsy, . . .	10 years	Private Bond	3 mths 24 dys	do	Improved	do		
8755	do 2	30	Female	Married	Unknown, . . .	3 months	Probate Court	3 mths 29 dys	Remains	do	do	Hereditary.	
8756	do 3	32	do	Single	Masturbation, . .	3 do	Private Bond	3 mths 28 dys	do	do			
8757	do 4	79	do	Widow	Old age, . . .	9 do	Probate Court	2 mths	Discharged	Recovered			
8758	do 4	48	Male	Single	Unknown, . . .	25 years	Board of S. C.	3 mths 27 dys	Remains	Not improved			

TABULAR VIEW—*Continued.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary	Homicidal. Periodical.
	1870											
8759	June 6	12	Male	Single	Epilepsy, . . .	4 years	Private Bond	3 mths 25 dys	Remains	Not improved		
8760	do 6	25	Female	do	Unknown, . . .	1 week	Probate Court	3 mths	Discharged	Recovered		
8761	do 7	26	Male	do	Masturbation, . .	2 years	do	3 mths 24 dys	Remains	Improved		
8762	do 7	28	do	Married	do . . .	2 do	Private Bond	3 mths 24 dys	do	do	Suicidal and Hereditary.	
8763	do 7	60	do	do	Intemperance, . .	2 weeks	Probate Court	3 mths 24 dys	do	do		
8764	do 8	22	do	Single	Masturbation, . .	3½ years	Private Bond	3 mths 23 dys	do	Not improved		
8765	do 9	39	do	do	Unknown, . . .	15 do	Probate Court	3 mths 22 dys	do	do		
8766	do 9	50	Female	Married	do . . .	6 months	do	3 mths 22 dys	do	Improved	do	do
8767	do 10	30	Male	Single	Unknown, . . .	1 week	do	3 mths 21 dys	do	do		Homicidal.
8768	do 10	14	Female	do	Epilepsy, . . .	2 years	do	3 mths 21 dys	do	Not improved		
8769	do 10	81	Male	Married	Old age, . . .	1 year	do	3 mths 21 dys	do	Improved		
3770	do 10	53	do	do	Unknown, . . .	1 do	The Overseers	3 mths 21 dys	do	Not improved		Periodical.
8771	do 11	56	Female	do	do . . .	3 weeks	Probate Court	3 mths 13 dys	Discharged	Recovered	Hereditary.	
8772	do 13	32	Male	Single	Followed fever, . .	1 week	do	1 mth 23 dys	do	do		Homicidal.
8773	do 13	19	do	do	Unknown, . . .	1 month	do	2 mths	do	do	Suicidal.	
8774	do 14	52	do	Married	Epilepsy, . . .	6 months	do	3 mths 17 dys	Remains	do	Hereditary.	
8775	do 16	43	Female	do	Turn of life, . .	3 do	do	2 mths 25 dys	Discharged	do		
8776	do 17	55	do	Widow	do . . .	7 years	do	3 mths 14 dys	Remains	Not improved		Periodical.
8777	do 17	58	do	do	Domestic affliction, .	2 days	do	2 mths 20 dys	Discharged	Recovered	do	
8778	do 17	84	do	do	Old age, . . .	1 year	do	3 mths 14 dys	Remains	Improved		
8779	do 19	33	do	Married	Puerperal, . . .	2 weeks	do	17 dys	Discharged	do	Suicidal	do
8780	do 20	26	Male	Single	Unknown, . . .	10 days	do	15 dys	Died	Exhaustion	Hereditary.	
8781	do 21	27	Female	Married	do . . .	3 years	The Overseers	3 mths 10 dys	Remains	Improved	do	Homicidal.
8782	do 21	35	Male	do	do . . .	4 do	do	2 mths 17 dys	Died	Epilepsy		Periodical.
8783	do 22	46	do	do	do . . .	2 months	Probate Court	3 mths 9 dys	Remains	Improved	do	and Suici.
8784	do 23	31	do	Single	Masturbation, . .	4 years	Private Bond	10 dys	Discharged	do		
8785	do 23	23	Female	do	Disappointm't in love, .	2 do	Probate Court	14 dys	do	do		Periodical.
8786	do 24	31	Male	do	Unknown, . . .	1 year	do	3 mths 7 dys	Remains	Not improved	do	do
8787	do 24	45	do	do	Masturbation, . .	5 years	do	13 dys	Discharged	Improved	do	
8788	do 23	23	Female	do	Overwork, . . .	1 month	do	1 mth 8 dys	do	Recovered		
8789	do 24	49	Male	Married	Unknown, . . .	8 years	do	1 mth	Died	Apoplexy	Suicidal	do
8790	do 25	72	do	do	Gen. Paralysis, . .	2 do	do	17 dys	Discharged	Improved	do	and Hered.

8791	June	26	32	Female	Married	Unknown, . . .	2 weeks	Probate Court	2 mths 5 dys	Discharged	Recovered		
8792	do	27	49	do	do	Turn of life, . . .	3 months	do	2 mths 2 dys	do	do	Suicidal and Hered.	
8793	do	28	10	Male	Single	Epilepsy, . . .	5 years	do	3 mths 3 dys	Remains	Improved		
8794	do	28	51	Female	do	Paralysis, . . .	1 week	do	3 mths 3 dys	do	Not improved		do
8795	do	28	30	do	Married	Miscarriage, . . .	6 months	do	2 mths 22 dys	Discharged	Recovered	do	
8796	do	28	18	Male	Single	Masturbation, . .	2 years	do	3 mths 3 dys	Remains	Improved	do	and Homi.
8797	do	28	17	do	do	do . . .	1 month	do	2 mths 29 dys	Discharged	Recovered		Periodical.
8798	do	29	29	do	do	Unknown, . . .	4 years	do	3 mths	do	Improved	Heredit. and	Homi.
8799	do	30	39	do	Married	Fever, ...	2 weeks	do	3 mths 1 dy	Remains	do	Suicidal.	
8800	July	1	36	Female	Married	Domestic affliction, .	5 years	do	3 mths	do	Improved	Homicidal &	Periodical.
8801	do	1	47	do	do	Intemperance, . .	1 week	Private Bond	1 mth 6 dys	Discharged	Recovered		do
8802	do	1	34	Male	do	do . . .	2 weeks	Probate Court	1 mth 13 dys	do	do		
8803	do	1	18	Female	Single	Amenorrhœa, . .	6 months	do	8 dys	do	Improved		
8804	do	1	20	do	do	Masturbation, . .	6 do	do	3 mths	Remains	do	Suicidal.	
8805	do	1	42	Male	Married	Intemperance, . .	8 do	do	3 mths	Discharged	Recovered	do	and Hered.
8806	do	5	44	do	Single	Unknown, . . .	44 years	Private Bond	2 mths 27 dys	Remains	Not improved		
8807	do	5	40	do	Married	Epilepsy, . . .	2 do	Probate Court	2 mths 27 dys	do	Improved		
8808	do	6	16	Female	Single	Unknown, . . .	1 year	Private Bond	2 mths 5 dys	Discharged	Recovered		
8809	do	6	38	Male	do	Intemperance, . .	1 do	Probate Court	1 mth 17 dys	do	Improved		do
8810	do	7	22	Female	Married	Excessive Lactation, .	2 weeks	The Overseers	2 mths 25 dys	Remains	do		
8811	do	9	42	Male	do	Intemperance, . .	10 years	Private Bond	2 mths 23 dys	do	do		Periodical.
8812	do	11	42	Female	Single	Turn of life, . .	2 do	Probate Court	2 mths 21 dys	do	do		
8813	do	12	37	Male	Married	Intemperance, . .	3 months	do	2 mths 20 dys	do	do	do	
8814	do	13	21	Female	do	Puerperal, . . .	1 month	Private Bond	2 mths 19 dys	do	do	Heredit. and	do
8815	do	13	62	Male	Widower	Unknown, . . .	1 year	do	2 mths 19 dys	do	do	Suicidal.	
8816	do	13	50	Female	Married	Turn of life, . . .	2 months	do	1 mth 15 dys	Discharged	Recovered		
8817	do	13	71	Male	do	Unknown, . . .	6 do	Probate Court	2 mths 19 dys	Remains	Improved	do	and Hered.
8818	do	14	24	Female	do	do . . .	4 do	do	2 mths 18 dys	do	do	do	do
8819	do	14	33	do	do	Amenorrhœa, . .	6 weeks	do	2 mths 4 dys	Discharged	Recovered		Periodical.
8820	do	14	18	do	Single	Intemperance, . .	6 months	do	2 mths 18 dys	Remains	Improved		
8821	do	14	53	Male	Married	Domestic trouble, .	1 week	do	1 mth 11 dys	Discharged	Recovered		
8822	do	15	49	Female	do	Domestic affliction, .	2½ years	do	2 mths 17 dys	Remains	Improved		
8823	do	16	46	do	do	Unknown, . . .	1½ do	The Overseers	2 mths 16 dys	do	Not improved		do
8824	do	16	38	Male	do	Intemperance, . .	10 do	Probate Court	2 mths 6 dys	Discharged	Recovered	do	
8825	do	18	–	Female	Widow	Unknown, . . .	1 year	do	27 dys	do	do		
8826	do	20	40	do	Married	Epilepsy, . . .	1 do	do	25 dys	do	do		
8827	do	20	50	Male	do	Paralysis, . . .	4 years	do	10 dys	do	Not improved		
8828	do	20	44	do	do	do . . .	5 months	do	2 mths 12 dys	Remains	do		
8829	do	20	34	do	Single	Masturbation, . .	3 years	do	1 mth 15 dys	Discharged	Improved		

TABULAR VIEW—*Continued.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Sulcidal. Hereditary.	Homicidal Periodical.
	1870											
8830	July 21	35	Female	Married	Unknown, . . .	6 do	Private Bond	2 mths 11 dys	Remains	Improved	Hereditary.	
8831	do 21	18	do	Single	do . . .	2 weeks	Probate Court	2 mths 11 dys	do	Not improved		
8832	do 23	48	Male	Married	Unknown, . . .	2 weeks	do	18 dys	Discharged	Recovered		Periodical.
8833	do 23	22	do	Single	Masturbation, . .	1½ years	do	2 mths 9 dys	Remains	Improved		Homicidal.
8834	do 23	22	do	do	Unknown, . . .	1 week	do	2 mths 9 dys	do	do		
8835	do 26	70	Female	do	do . . .	20 years	do	2 mths 6 dys	do	Not improved		
8836	do 26	31	do	do	Masturbation, . .	10 do	The Overseers	2 mths 6 dys	do	do		Periodical.
8837	do 27	22	Male	do	Intemperance, . .	8 months	Probate Court	2 mth2 5 dys	do	do	Homi. and	do
8838	do 27	37	do	do	Masturbation, . .	15 years	Private Bond	1 mth 15 dys	Discharged	Improved		
8839	do 28	38	do	Married	Religious excitement, .	1 year	Probate Court	2 mths 4 dys	Remains	do	Hereditary.	
8840	do 28	70	Female	Widow	Paralysis, . . .	6 years	do	2 mths 4 dys	do	Not improved		
8841	do 30	15	Male	Single	Unknown, . . .	15 do	do	1 mth 7 dys	Discharged	Improved		
8842	Aug. 1	32	Female	Married	Domestic affliction, .	1 year	Private Bond	1 mth 6 dys	do	Recovered	Suicidal.	
8843	do 3	22	do	Single	Masturbation, . .	3 months	do	1 mth 29 dys	Remains	Improved		
8844	do 3	25	Male	do	Unknown, . . .	2 do	do	1 mth 29 dys	do	do		
8845	do 4	64	Female	Married	do . . .	2 do	do	1 mth 28 dys	do	do		
8846	do 6	42	do	do	Puerperal, . . .	5 years	Probate Court	1 mth 26 dys	do	do		
8847	do 6	25	Male	do	Masturbation, . .	1 month	do	1 mth 26 dys	do	Not improved		
8848	do 8	61	do	do	Unknown, . . .	3 weeks	do	1 mth 5 dys	Discharged	Recovered	do	and Homi.
8849	do 8	30	do	Single	do . . .	1 month	do	1 mth 24 dys	Remains	Not improved		
8850	do 9	60	do	Married	do . . .	10 years	do	18 dys	Discharged	Improved		
8851	do 9	52	do	do	do . . .	4 do	Sup. Court	1 mth 23 dys	Remains	do		do
8852	do 10	34	Female	do	Masturbation, . .	3 months	Probate Court	1 mth 22 dys	do	do	Hereditary.	
8853	do 10	48	Male	do	Overwork, . . .	2 do	Private Bond	1 mth 22 dys	do	Not improved	Suicidal.	
8854	do 11	51	do	Single	Unknown, . . .	4 years	The Overseers	8 dys	Died	Exhaustion		
8855	do 11	54	Female	do	do . . .	6 months	Private Bond	1 mth 21 dys	Remains	Improved		
8856	do 13	50	Male	Widower	Masturbation, . .	2 weeks	Probate Court	11 dys	Died	Exhaustion	do	
8857	do 15	47	do	Single	do . . .	2 years	The Overseers	1 mth 17 dys	Remains	Improved		
8858	do 15	38	do	Widower	Epilepsy, . . .	4 do	Probate Court	9 dys	Died	Epilepsy		
8859	do 15	60	do	Married	Unknown, . . .	6 months	Private Bond	1 mth 17 dys	Remains	Not improved	do	and Hered.
8860	do 17	40	do	Single	Intemperance, . .	1 month	Probate Court	1 mth	Discharged	Recovered		
8861	do 17	30	do	do	do . . .	2 years	do	1 mth 13 dys	do	do		

8862	Aug.	18	38	Male	Married	Intemperance,	2 years	Probate Court		9 dys	Discharged	Improved		Hereditary.
8863	do	18	50	do	do	Domestic trouble,	5 weeks	Private Bond	1 mth	14 dys	Remains	do	Suicidal.	
8864	do	19	37	Female	do	Domestic affliction,	3 months	Probate Court	1 mth	13 dys	do	Not improved		
8865	do	22	24	do	Single	Unknown,	6 do	do	1 mth	10 dys	do	Improved		Periodical.
8866	do	23	70	Male	Widower	Domestic affliction,	10 do	do	1 mth	9 dys	do	Not improved		do
8867	do	24	33	Female	Single	Unknown,	1 month	Private Bond	1 mth	8 dys	do	Improved	Suicidal and	do
8868	do	25	22	Male	do	do	3 months	do	1 mth	7 dys	do	do		
8869	do	25	64	Female	Widow	do	3 years	Probate Court	1 mth	7 dys	do	do		
8870	do	26	53	do	Married	Turn of life,	4 do	Private Bond	1 mth	6 dys	do	Not improved		
8871	do	26	45	Male	Single	Unknown,	5 do	Probate Court		21 dys	Discharged	Improved	Hered. and Period.	
8872	do	27	40	do	Married	do	7 months	Private Bond	1 mth	5 dys	Remains	do	Suicidal.	
8873	do	29	50	Female	do	do	1 year	Probate Court	1 mth	3 dys	do	do		
8874	do	31	53	do	Widow	do	2 weeks	Private Bond	1 mth	1 dy	do	do		do
8875	do	31	41	do	Married	Domestic affliction,	2 months	do	1 mth	1 dy	do	do		
8876	Sept.	1	25	Male	Single	Masturbation,	3 years	Probate Court	1 mth		do	do	do	and Homi.
8877	do	2	37	do	do	Intemperance,	1 week	do		16 dys	Discharged	Recovered		
8878	do	2	63	Female	Widow	Unknown,	1 do	The Overseers		29 dys	Remains	Not improved		Periodical.
8879	do	3	35	do	Married	Domestic trouble,	2 years	Probate Court		28 dys	do	do		
8880	do	3	38	Male	do	Intemperance,	5 weeks	do	1 week		Discharged	Recovered	Hereditary.	
8881	do	5	17	do	Single	Epilepsy,	9 years	do		11 dys	do	Improved		
8882	do	5	18	do	do	Unknown,	1 month	do		26 dys	Remains	do		
8883	do	6	24	do	do	do	7 years	do		24 dys	Discharged	do		Homicidal.
8884	do	7	50	Female	Married	Intemperance,	2 do	do		23 dys	do	do		
8885	do	7	26	Male	Single	Unknown,	6 months	do		24 dys	Remains	do		do
8886	do	7	50	do	do	do	1 month	do		9 dys	Discharged	Recovered		
8887	do	8	60	do	Widower	do	1 year	do		23 dys	Remains	Improved		do
8888	do	9	60	do	Married	Domestic trouble,	1 month	Private Bond		22 dys	do	do		Periodical.
8889	do	9	32	do	Single	Unknown,	1 week	Probate Court		22 dys	do	do		do
8890	do	12	22	do	Married	Pecuniary trouble,	2 years	do		19 dys	do	Not improved		
8891	do	12	45	Female	Widow	Turn of life,	1 month	do		19 dys	do	Improved	Suicidal.	
8892	do	12	26	do	Single	Unknown,	3 months	do		19 dys	do	do		
8893	do	12	37	Male	Married	Intemperance,	2 do	do		19 dys	do	Not improved		
8894	do	13	38	do	do	Epilepsy,	1 week	do		17 dys	Discharged	Recovered		
8895	do	13	40	Female	Single	Unknown,	1 do	do		18 dys	Remains	Improved		
8896	do	14	15	do	do	Epilepsy,	6 weeks	do		17 dys	do	do	Suicidal.	
8897	do	14	50	Male	Widower	Brain-fever,	1 week	do		17 dys	do	Not improved		Period. & Homi.
8898	do	15	50	do	Married	Intemperance,	2 months	do		16 dys	do	Improved		Homicidal.
8899	do	15	52	do	do	Gen. Paralysis,	2 years	do		16 dys	do	Not improved		
8900	do	17	34	Female	Widow	Intemperance,	4 do	do		14 dys	do	Improved		

TABULAR VIEW—*Concluded.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1870											
8901	Sept. 17	25	Male	Married	Unknown, . . .	1 week	Probate Court	14 dys	Remains	Improved		
8902	do 17	27	Female	Single	do . . .	1 do	do	14 dys	do	do		
8903	do 17	29	do	Married	Pregnancy, . . .	10 years	Private Bond	14 dys	do	Not improved		
8904	do 19	24	do	do	Unknown, . . .	3 months	Probate Court	12 dys	do	do	Hereditary.	
8905	do 21	27	Male	Single	Intemperance, . .	3 years	do	9 dys	Discharged	Improved		
8906	do 21	49	do	Married	Unknown, . . .	5 weeks	do	10 dys	Remains	do		Homi. & Sui.
8907	do 22	48	Female	Single	Domestic trouble, .	26 years	do	8 dys	Discharged	do		
8908	do 23	48	do	Married	Turn of life, . .	4 do	do	8 dys	Remains	do		
8909	do 24	34	Male	do	Unknown, . . .	2 months	do	7 dys	do	do		
8910	do 24	40	do	do	Gen. Paralysis, . .	6 do	do	7 dys	do	Not improved		
8911	do 24	16	Female	Single	Unknown, . . .	1 year	do	7 dys	do	Improved		
8912	do 26	32	do	do	Masturbation, . .	6 months	do	5 dys	do	Not improved	do	and Sui.
8913	do 28	32	do	Widow	Puerperal, . . .	6 weeks	do	3 dys	do	do		
8914	do 28	6 w	do	Single	Unknown, . . .	6 do	do	3 dys	do	do		
8915	do 28	45	do	Widow	Turn of life, . . .	4 months	do	3 dys	do	do	Suicidal.	
8916	do 28	40	do	Married	Jealousy, . . .	10 years	do	3 dys	do	Improved		Homicidal.
8917	do 29	48	do	Single	Unknown, . . .	26 do	do	2 dys	do	Not improved		
8918	do 29	75	Male	Widower	Old age, . . .	1 month	do	2 dys	do	do		
8919	do 29	40	do	Married	Intemperance, . .	4 years	do	2 dys	do	do		do

There died during the year sixty-four patients, of whom forty-one were males and twenty-three were females. The rate of mortality on the average number of residents was sixteen per cent. The mortality calculated on the whole population of the hospital was eight and four-tenths per cent. During several years past the death-rate has been considerably increased among the male inmates of the hospital. In thirteen cases seven males and five females, the age at the time of death was over sixty years. In seven it varied from sixty-five to seventy years. In three from seventy to eighty years, and two males were each more than eighty years of age.

In thirty-one cases which proved fatal, namely, twenty-two males and nine females, cerebral disease, paralysis or epilepsy was present, and with various secondary complications contributed to this result.

The large preponderance of males involved in these sections of the table of mortality abundantly accounts for the varying ratio of mortality in the two sexes which have been alluded to. The deaths from the several forms of cerebral disease reached nearly fifty per cent. of the whole mortality of the year.

In hospitals for the insane, it is always to be anticipated that a large proportion of the yearly mortality will, in the absence of any epidemic or special disease, be attributable to diseases affecting the brain and nervous centres.

In eight cases, five males and three females, death resulted from exhaustion consequent on high maniacal excitement.

In ten cases, six males and four females, death resulted from diseases affecting the lungs and heart; and nine persons, four males and five females, died apparently from the gradual decay and wearing out of the system consequent on old age.

The health of the patients at the time of their admission was almost invariably in a very unsatisfactory state. Only a small number could have been tabulated as possessing good bodily health and condition. In a large proportion of the patients, their health was indifferent and their bodily condition reduced, and in many their health was bad and their condition so prostrate that considerable danger to life was apprehended.

Various functional derangements of organs were present in a large number of the second class, a state of debility or anæmia

was frequently observed, and in chronic forms of disease, implicating the organs of the chest and abdomen, as well as those more intimately connected with the operations of the mind. Many of these were incurable in their nature, but had not yet reached that stage which would immediately compromise the life of the patients. Of this character were many cases of epilepsy, paralysis, diseases of the lungs and liver, which would only admit, at first, of a period of relief, and ultimately pass into a more dangerous and fatal stage.

The third class included only three cases which from various causes could be considered as immediately dangerous to life. In many of them the time for treatment had long passed before they were sent to the hospital, and upon admission they were found to be sinking from disease, or from exhaustion consequent upon the unchecked violence of their mental disturbance. In many, bodily disease of a grave type was combined with mental disease of an acute character, which had rendered their removal to the hospital indispensable.

Throwing out of the calculation the patients resident in the hospital, who are known to be suffering from various forms of disease, and who are generally numerous enough to fill both sick wards to their full extent, it is satisfactory to be able to state that the general health of a majority of the patients was good throughout the year, and that no epidemic or other troublesome disease prevailed during the year.

This was more remarkably so in the female side of the hospital. At different seasons there were the usual affections observed in the ordinary community outside of the hospital, as bronchitic attacks, catarrhs, affections of the throat and slight diarrhœa.

In the male side of the hospital, occasionally, patients sinking under disease were, just before death, attacked with diarrhœa in a more marked and severe manner than among the females, and pulmonary congestions were also more frequently observed in the last stages of life in the male sex.

The medical and moral treatment of the patients has been conducted on the same great principles as have been hitherto in use and described in former reports. Such changes and deviations as time and experience have shown to be desirable and necessary have been adopted.

In my annual report for the year ending September 30, 1867, I recommended the employment of a thoroughly educated, refined Christian woman, as an assistant-physician, on the female side of the house, in the hope of supplying a want long felt and often timidly expressed. In July, 1869, Mary H. Stinson, M.D., was invited to visit the hospital and remain, with a view of testing the propriety of appointing her assistant-physician in the female department of the hospital.

Thus began the experiment of employing female physicians in public hospitals. Dr. Stinson's success has been such as to warrant the employment of female physicians in the female wards of the lunatic hospitals, and I believe the continued success of the plan thus adopted will be the means of introducing an important aid to the treatment of the mental maladies of females.

The employment of the patients continues to be maintained with as much vigor as possible. Although no tabulated statement of the amount of work done during the year can be made in this Report, as much has been accomplished as in any previous year. The men are as usual employed out of doors on the farm and in the gardens, or in-doors in the laundry, bakery, kitchens, and other work-rooms, where the heavier work of the establishment is performed. Considerable work is also done by the patients in the carpenter's shop, the mattress shop and the blacksmith shop.

The women are employed in the greatest number at needle-work, but many of them assist in the laundry, kitchen and wards of the hospital. More than sixty per cent. of the women are actually employed in some useful labor.

The quantity of land available for the requirements of the hospital, and the profitable employment of the patients, has long been too limited. The purchase of land for the purpose of rebuilding will add to our means of usefulness in respect to the employment of male patients, and not only be of advantage as a direct curative agent, but it is hoped that it will tend to keep down, if not lessen, the average weekly cost of all the patients maintained here.

In a neighborhood so largely agricultural, there is certainly no other employment to be compared in efficacy with that which can be carried on in connection with a farm.

It is satisfactory to be able to report that the average weekly cost per patient has been reduced from four dollars and two cents to three dollars and sixty-eight cents, and that there remains in the treasury a very fair cash balance in favor of the hospital.

I ought to allude to the fact that patients are often brought to the hospital in mechanical restraint, or by false pretences. Many placed in the hospital during the year had on hand-cuffs when they arrived; some were secured by ropes, and very many were entirely deceived in regard to their admission to the institution.

It is not easy to estimate the wrong done to patients who are taken from their homes and placed in a hospital by brute force or by misrepresentation. It destroys their confidence in the medical officers and their friends; it weakens all the efforts made for their recovery or even for their comfort. There are patients now in the hospital who have been inmates for years, and who persistently refuse every kindness, neglect all advice, repudiate every attempt to gain their confidence because they were deceived, or were entrapped, and they regard the officers of the hospital as parties to the plot to deprive them unjustly of their liberties.

I think there has been for some years past a decided increase of severe physical disease of a chronic nature attending the mental derangement of the patients admitted to the hospital, and many cases of this character are now running their slow but sure course.

There is, however, among the patients at large a great amount of active life, and matters of general interest are pursued with pleasure and profit. Though subject to many interruptions from varying moods, a large amount of intellectual enjoyment marks the daily life of a lunatic hospital. Some of the patients devote themselves especially to certain branches of study or investigation. For instance, the study of music has been followed with some success. Natural history and botany have been taken up for a time with much enthusiasm. A large number of select weekly and monthly periodicals, beside the daily papers, is supplied by the institution, and books of a solid character are from time to time added to the libraries. Several of

the city libraries also contribute to the literary employment of patients.

Other patients, like the generality of persons whose minds have acquired no decided bent, range without much selection over the lighter works and periodicals at their disposal.

Out of door life has been encouraged in all, by the practice of taking long rides and rambles in the country, and much delight and freshness of feeling, with intellectual reinforcement has been thus acquired. The winter evenings have been enlivened by social parties, lectures, concerts, and entertainments of different kinds. Music, perhaps, takes the highest rank in these amusements, in its power to please the greatest number of patients. We have to thank various friends of the institution for their estimable contributions to our winter evening entertainments. They have assisted us out of good will and sympathy, with that which money could not purchase. I take this occasion to thank them, one and all, for their great kindness in this respect.

The ordinary methods of removing dulness by excursions, sight-seeing, attending lectures in the city, and meetings of a benevolent or religious character, with absences of a longer duration, in many instances, have been freely used.

It gives me satisfaction to acknowledge in behalf of the patients, special acts of kindness from Miss Dix, Dr. Hooper, Wm. Knowlton, Esq., and Hon. Henry Chapin and others. In the consciousness of pleasure bestowed and sorrow lightened be their reward.

Since my last report Dr. Draper has accepted the position of assistant-physician to the female department of the New Jersey State Lunatic Asylum at Trenton, and Dr. H. O. Palmer has very acceptably filled the office of assistant-physician to the male department of this hospital since Dr. Draper's resignation.

The staff of officers has in other respects remained unchanged during the year, and each in their several departments have actively contributed to the success and good working of the institution for which my acknowledgment of such faithful service should now be made to you.

There have been several changes, however, among the attendants and supervisors, both male and female. In the case of supervisors of both sexes, some have left to settle more permanently

in life. Attendants have left because the change in supervisors has given them an opportunity to change more readily than otherwise would have been offered. The whole body, however, of employees have with few exceptions, and those not of a grave nature, conducted themselves in a highly satisfactory manner, and have earned my good opinion from the earnestness with which they have devoted themselves to their duties, and for the uniformly good treatment and management of those directly under their care and control.

On the evening of every day, and on the afternoon of Sundays, religious services have been held in the chapel by the Rev. George Allen, who for more than twenty years has so faithfully performed the duties of chaplain. Two afternoons of each week have also been spent by him in visiting the wards of the hospital and conversing with such patients as desired religious instruction and comfort.

For whatever of success may have attended our labors, I am largely indebted to the kind, faithful and intelligent coöperation of my assistants and associates in office. And it gives me great satisfaction to recognize in this public manner the value of the faithful and self-denying services of many of those who fill subordinate places of trust and responsibility. In no walk of life is a true Christian spirit of forbearance more called for than in the position of an attendant in a hospital for the insane; exposed to constant taunts, to irritation, and even to personal abuse, they must never retaliate. On them in a great measure, depends the successful treatment of the patients. While preserving strict discipline, and checking every wayward act, they must also encourage the timid, cheer the sorrowful, and forgive and forget all irritability and petulance. The manner in which attendants in this hospital have discharged their trying duties during the past year shows they have generally borne this in mind, and that they have been actuated in the care of their unfortunate charge by a higher motive than that of mere pecuniary remuneration.

It will not, I trust, be considered beyond my province to take this opportunity of recording the loss which this hospital has sustained in the death of one who was its warm, faithful friend, wise counsellor and devoted trustee, Hon. Charles Mattoon. His peculiar business aptitude, punctuality and clearness of com-

prehension, and mastery of all the details of the institution, rendered him a valuable and trustworthy adviser. All resident in the hospital felt that they had lost a kind, faithful, sympathizing friend when he passed away.

With the support of your generous sympathy, and prudent counsel in every emergency, which I have so long and so uniformly enjoyed, I look forward with hope, confident of success, in our difficult and responsible labors.

MERRICK BEMIS.

WORCESTER LUNATIC HOSPITAL, WORCESTER, MASS., October 1, 1870.

APPENDIX.

FORMS CONCERNING ADMISSION TO THE HOSPITAL.

PETITION.

[The applicant must answer in writing the printed interrogations accompanying this blank.]

To the Honorable the Judge of the Probate Court, in and for the County of :

of on oath complains that of , in said county of , is an insane person, and a proper subject for the treatment and custody of the Worcester Lunatic Hospital.

Wherefore, he prays that said may be committed to the said Worcester Lunatic Hospital according to law.

, ss. A. D. 187 .

Then the above named made oath that the above complaint, by h subscribed, is true.

Before me, , *Justice of the Peace.*

I, the subscriber, one of the selectmen of where said resides, hereby acknowledge that notice has been given to me of the intention to present the foregoing complaint and application.

A. D. 187 .

To the Honorable the Judge of the Probate Court, in and for the County of :

The subscriber, having made application to your Honor for the commitment of to the Worcester Lunatic Hospital, as a lunatic, now presents the following statement, in answer to interrogatories :—

What is the age of the lunatic? Ans.

Birthplace? Ans.

Civil condition of lunatic? Ans.

Occupation? Ans.

Supposed cause of disease? Ans.

Duration? Ans.

Character—whether mild, violent or dangerous? Ans.

Homicidal or suicidal? Ans.

Paralytic or epileptic? Ans.

Previous existence of insanity in the lunatic? Ans.

Previous or present insanity in any of the family? Ans.

Habits in regard to temperance? Ans.

Whether he has been in any lunatic hospital; if so, what one, when, and how long? Ans.

(If a woman.) Has she ever borne any children? Ans.

(If a woman.) How long since the birth of her last child? Ans.

Name and post-office address of some of the nearest relatives or friends? Ans.

What facts show whether he has or has not a settlement, and where, if anywhere, in this State? Ans.

[For the law relating to settlement, see Gen. Stat., chap. 69.]

, *Applicant.*

PHYSICIANS' CERTIFICATE.

The subscribers, respectable physicians of in the county of , having made due inquiry and personal examination of named in the foregoing application, within one week prior to the date hereof, certify that the said is insane, and a proper subject for the treatment and custody of the Worcester Lunatic Hospital.

A. D. 187 .

, ss. A. D. 187 .

Then the above named made oath that the above certificate is true.

Justice of the Peace.

Commonwealth of Massachusetts.

, ss. At , in said county, on the day of , A. D. 187 .

On the application of for the commitment of of in said county, to the Worcester Lunatic Hospital, ; notice in writing having been given by said applicant to one of the selectmen of where said resides, of h intention to make said application, and said having been duly notified of the time and place appointed for hearing, it appears, upon a full hearing, that said is an insane person, and a proper subject for the treatment and custody of the Worcester Lunatic Hospital.

Wherefore it is ordered that said be committed to the said Worcester Lunatic Hospital.

, *Judge of Probate Court.*

FORM OF OVERSEERS' BOND.

Worcester Lunatic Hospital.

Whereas, of , in the county of , has been admitted a boarder in the Worcester Lunatic Hospital, , a majority of the Overseers of the Poor of the town of , in the county of , in behalf of the inhabitants of said town, do hereby promise , Treasurer of said Hospital, to pay him, or his successor in said office, the rate of board which may, from time to time, be determined by the Trustees of said hospital, for said patient, so long as h shall continue a boarder in said hospital, with such extra charges as may be occasioned by h requiring more than ordinary care and attention, to provide for h suitable clothing, and to pay for all such necessary articles of clothing as shall be procured for h by the Steward of the hospital, and to remove h from said hospital whenever the room occupied by h shall be required for a class of patients having preference by law, or in the opinion of the Superintendent, to be received into said hospital: Also to pay not exceeding fifty dollars for all damages he may do to the furniture and other property of said hospital, and for reasonable charges in case of elopement, and funeral charges in case of death. Payment to be made quarterly, and at the time of removal, with interest on each bill from and after the time it becomes due.

Witness our hands this day of

Attest: (Signed,)

Overseers of the Poor of the Town of

FORM OF PRIVATE BOND.

Worcester Lunatic Hospital.

Whereas, of , in the county of , as principal, and of , in the county of , as surety, do hereby jointly and severally promise , Treasurer of said hospital, to pay him or his successor in said office, the rate of board which may, from time to time, be determined by the Trustees of said hospital, for said patient, so long as he shall continue a boarder in said hospital, with such extra charges as may be occasioned by h requiring more than ordinary care and attention; to provide for h suitable clothing, and to pay for all such necessary articles of clothing as shall be procured for h by the Steward of the hospital, and to remove h from said hospital whenever the room occupied by h shall be required for a class of patients having preference by law, or in the opinion of the Superintendent, to be received into said hospital. Also to pay not exceeding fifty dollars, for all damages he may do the furniture and other property of said hospital, and for reason-

able charges in case of elopement, and funeral charges in case of death. Payment to be made quarterly, and at the time of removal, with interest on each bill from and after the time it becomes due.

Witness our hands this day of A. D. 187 .

Principal.

Surety.

Patients will be received into the hospital at any time, if the following conditions are complied with:

If the patient is in indigent circumstances, and has no settlement in any town in the Commonwealth, the Probate Court, or, if in the city of Boston the Superior Court, will issue a warrant for the commitment of the patient to the hospital. The State will then pay the cost of support, and the county from which the patient is sent will pay the expenses of the commitment.

If the patient is in indigent circumstances, and has a settlement in any town in the Commonwealth, the Overseers of the Poor of that town may give a bond for the support of the patient. Or, when this is inconvenient, an application may be made to the Probate Court of the county where the patient resides, and a warrant will be issued for the commitment of the patient to the hospital, and the town will be held responsible for the support of the patient.

In all other cases, a bond from responsible persons, as principal and surety, will be required for the expenses of the patient while in the hospital.

In all cases, before admission to the hospital, two physicians, one of whom shall be the family physician, must certify that the patient is insane.

All necessary clothing must be supplied by the friends of the patients.

Clothing will be supplied at the hospital, if desirable, and charged in the bills of cost.

Damages done to the furniture and other property to the amonnt of fifty dollars may also be charged.

Reasonable charges will be made in case of elopement, and funeral charge in case of death.

All bills are collected by the Treasurer quarterly, or interest charged on the same after becoming due.

Bills become due on the first of January, April, July and October, and when the patient leaves the hospital.

*List of Trustees from the Commencement of the Hospital.**

NAMES.	Residence.	When appointed.	When services ended.	In what way services ended.
Horace Mann,	Dedham,	1832,	1834,	Commission expired.
Bazaleel Taft, Jr.,	Uxbridge,	1832,	1834,	" "
William B. Calhoun,	Springfield,	1832,	1835,	" "
Alfred D. Foster,	Worcester,	1832,	1836,	" "
Francis C. Gray,	Boston,	1832,	1836,	" "
Thomas A. Green,	New Bedford,	1834,	1837,	" "
Thomas Kinnicutt,	Worcester,	1834,	1838,	" "
Horace Mann,	Boston,	1835,	1839,	" "
Emory Washburn,	Worcester,	1836,	1837,	Resigned.
Abraham R. Thompson,	Charlestown,	1836,	1841,	Commission expired.
Myron Lawrence,	Belchertown,	1837,	1840,	" "
Stephen Salisbury,	Worcester,	1837,	1840,	" "
Edward D. Bangs,	Worcester,	1838,	1838,	Deceased.
William Lincoln,	Worcester,	1838,	1840,	Commission expired.
Daniel P. King,	Danvers,	1839,	1844,	" "
Alfred D. Foster,	Worcester,	1840,	1842,	" "
Maturin L. Fisher,	Worcester,	1840,	1843,	" "
Henry Gardner,	Boston,	1840,	1845,	" "
Robert Campbell,	Pittsfield,	1841,	1843,	Resigned.
Edwin Conant,	Worcester,	1842,	1844,	"
H. H. Childs,	Pittsfield,	1843,	1846,	Commission expired.
Joseph Sargent,	Worcester,	1843,	1848,	" "
Stephen Salisbury,	Worcester,	1844,	1850,	" "
Stephen C. Phillips,	Salem,	1844,	1851,	" "
Jesse Murdock,	Carver,	1845,	1847,	" "
Thomas F. Plunkett,	Pittsfield,	1846,	1849,	" "
Thomas French,	Canton,	1847,	1848,	Resigned.
Isaac Davis,	Worcester,	1848,	1849,	"
William Appleton,	Boston,	1849,	1851,	Declined.

* The first three were Commissioners for building, and as such were appointed in 1830.

List of Trustees—Continued.

NAMES.	Residence.	When appointed.	When services ended.	In what way services ended.
Levi Lincoln,	Worcester,	1849,	1852,	Commission expired.
Ensign H. Kellogg,	Pittsfield,	1849,	1853,	" "
John S. C. Knowlton,	Worcester,	1850,	1853,	Declined.
Foster Hooper,	Fall River,	1851,	1854,	Commission expired.
Samuel G. Howe,	Boston,	1851,	1855,	" "
Rejoice Newton,	Worcester,	1852,	1856,	" "
Franklin Ripley,	Greenfield,	1853,	1854,	" "
James B. Congdon,	New Bedford,	1853,	1855,	Resigned.
Linus Child,	Lowell,	1854,	1858,	Commission expired.
Henry Morris,	Springfield,	1854,	1855,	Resigned.
Charles H. Stedman,	Boston,	1855,	1861,	Commission expired.
William T. Merrifield,	Worcester,	1855,	1863,	" "
Thomas Colt,	Pittsfield,	1855,	1860,	" "
Joseph N. Bates,	Worcester,	1856,	1861,	" "
Robert W. Hooper,	Boston,	1858,	–	Commission expired, and re-appointed.
Edwin F. Jenks,	Adams,	1859,	–	Deceased.
Edward Jarvis,	Dorchester,	1861,	–	Commission expired.
William Workman,	Worcester,	1862,	–	Commission expired, and re-appointed.
Samuel E. Sewall,	Boston,	1863,	–	Commission expired, and re-appointed.
Henry Chapin,	Worcester,	1866,	–	– –
Charles Mattoon,	Greenfield,	1866,	1870,	Commission expired, and re-appointed. Deceased.

METEOROLOGICAL OBSERVATIONS

MADE AT

THE STATE LUNATIC HOSPITAL, WORCESTER, MASS.,

1869-70.

Latitude, 42° 16′ 17″ *N.*; *Longitude* 71° 48′ 13″ *W.*
Elevation, 528 *feet.*

EXPLANATION.—The force of the wind is estimated upon a scale of 10, and indicated by figure affixed to the letters denoting the direction. When no number is affixed, 1 is meant.

METEOROLOGICAL OBSERVATIONS—OCTOBER, 1869.

Moon's Phases.	Days of the month.	THERMOMETER. 7 A. M.	THERMOMETER. 2 P. M.	THERMOMETER. 9 P. M.	THERMOMETER. Mean.	BAROMETER. Cor. and Red. to 32°. 7 A. M.	BAROMETER. 2 P. M.	BAROMETER. 9 P. M.	CLOUDS. 10=covered. 7A.M.	CLOUDS. 2P.M.	CLOUDS. 9P.M.	WIND. Direction and Force. 7 A. M.	WIND. 2 P. M.	WIND. 9 P. M.	RAIN AND SNOW. Hour Began.	RAIN AND SNOW. Hour Ended.	RAIN AND SNOW. Inches Rain & Melted Snow.	RAIN AND SNOW. Inches Snow.	REMARKS.
	1	57	74	60	64	29.557	29.531	29.544	0	0	0	S. W.	S. W.	S. W.	–	–	–	–	Cloudless.
	2	53	72	62	62	29.535	29 496	29.505	3	0	1	S. W.	S. W.	S. W.	–	–	–	–	Fair.
	3	67	63	61	64	29.358	29.338	29.331	10	10	10	S. W.	N. E.	N. E.	10½ a.m.	–	–	–	Cloudy and rainy.
	4	69	65	61	65	28.980	29.739	28.855	10	10	3	S. E.	S. W.	W.	–	4 p. m.	4.75	–	Heavy rain.
●	5	53	54	48	52	28.954	29.111	29.282	1	5	8	N. W.	W.	W.	–	–	–	–	Fair.
	6	53	55	44	51	29.322	29.366	29.443	0	0	0	N W.	N. W.	N. W.	–	–	–	–	Cloudless.
	7	41	58	47	49	29.567	29.550	29.561	0	0	0	N. W.	N. W.	N. W.	–	–	–	–	Cloudless.
	8	43	64	51	53	29 612	29 587	29.630	0	0	0	N. E.	N. E.	N. E.	–	–	–	–	Cloudless.
	9	49	67	54	57	29.626	29.602	29.586	0	0	0	N. E.	S. W.	S. W.	–	–	–	–	Cloudless.
	10	50	63	58	57	29.513	29.384	29.248	10	8	10	N. E.	N. E.	N. E.	4½ p. m.	–	–	–	Foggy and cloudy. Rain.
	11	55	60	50	55	29.031	29.118	29.236	2	3	0	N. W.	N. W.	W.	–	3½ a. m.	2.33	–	Fair. [Eve.
☽	12	46	62	57	55	29.282	29.353	29.201	6	10	10	W.	S.	S. W.	–	–	–	–	Cloudy p.m. Lunar Hals.
	13	57	57	46	50	29.046	28.912	28.895	10	10	9	S. E.	S. E.	N. W.	3½ a. m.	3½ p. m.	.68	–	Rain, th'der & lightn'g.
	14	41	55	50	49	29.195	29.176	29.244	0	1	2	W.	S. W.	S. W.	–	–	–	–	Fair.
	15	49	64	51	55	29.244	29.216	29.229	3	2	10	S. W.	S. W.	S. W.	5½ p. m.	–	–	–	Fair a.m. Rain p. m.
	16	49	49	45	48	29.144	29.087	29.052	10	10	10	N. E.	N.	S. W.	–	12 m.	.90	–	Rain a.m. Fair p. m.
	17	41	57	47	48	29.087	29.031	29.174	0	2	0	N. E.	S. W.	S. W.	–	–	–	–	Fair.
	18	41	49	41	44	29.267	29.267	29.360	1	6	0	S. W.	S. W.	W.	–	–	–	–	Fair.
	19	36	45	39	40	29.398	29.300	29.265	0	10	10	W.	W.	S. W.	–	–	–	–	Fair a.m. Rain p.m.
☺	20	35	44	39	39	29.298	29.295	29.367	0	2	0	N. W.	N. W.	N. W.	–	–	–	–	Fair. Heavy frost.
	21	35	52	50	46	29.403	29.314	29 327	1	2	10	N. W.	N. W.	S. W.	–	–	–	–	Heavy frost.
	22	47	54	41	47	29.312	29.334	29.491	10	0	0	N. W.	N. W.	N. W.	–	–	–	–	Cloudy.
	23	41	50	50	47	29.457	29.224	28.944	10	10	10	N. E.	E.	E.	12½ p. m.	–	–	–	Cloudy and rainy.
	24	49	50	40	46	29.094	29.242	29.462	8	2	0	N. W.	N. W.	N. W.	–	5 a. m.	1.07	–	Cloudy and rainy.
	25	32	43	32	36	29.623	29.642	29.728	0	2	3	N. W.	N. W.	N. W.	–	–	–	–	Fair, ground frozen.
	26	30	43	37	37	29.661	29 459	29.402	2	2	3	N. W.	S. W.	W.	–	–	–	–	Fair, ground frozen.
	27	31	36	29	32	29.326	29.355	29.388	4	3	0	N. W.	N. W.	N. W.	4 a. m.	5½ a. m.	.04	.05	Snow squall.
☾	28	25	36	34	32	29.284	29.083	29.080	5	6	10	N. W.	N. W.	S. W.	8 a. m.	11 a. m.	.04	.05	Snow squall.
	29	34	39	36	36	29.083	29.072	29.145	10	10	10	N. E.	N. E.	S. W.	–	–	–	–	Snow flakes.
	30	35	39	34	36	29.133	29.170	29.233	8	8	1	S. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	31	32	40	31	34	29.326	29.397	29.456	1	0	0	N.	N. W.	N. W.	–	–	–	–	Fair weather; aur. 9 p.m.
Means,		44	53	45	47	29.313	29.282	29.311	4.	4.	4.				Amounts,		9.81	.10	

METEOROLOGICAL OBSERVATIONS—NOVEMBER, 1869.

Moon's Phases.	Days of the month.	THERMOMETER. 7 A. M.	THERMOMETER. 2 P. M.	THERMOMETER. 9 P. M.	THERMOMETER. Mean.	BAROMETER. Cor. and Red. to 32°. 7 A. M.	BAROMETER. 2 P. M.	BAROMETER. 9 P. M.	CLOUDS. 10=covered. 7A.M.	CLOUDS. 2P.M.	CLOUDS. 9P.M.	WIND. Direction and Force. 7 A. M.	WIND. 2 P. M.	WIND. 9 P. M.	RAIN AND SNOW. Hour Began.	Hour Ended.	Inches Rain & Melted Snow.	Inches Snow.	REMARKS.
	1	26	38	37	34.	29.484	29.338	29.425	1	10	10	N. W.	N. W.	N. E.	–	–	–	–	Fair a.m. ; squally p.m.
	2	35	47	35	39	29.540	29.577	29.652	2	3	1	N. E.	N. E.	N. E.	–	–	–	–	Fair weather.
●	3	33	50	44	42	29.683	29.591	29.506	2	6	0	N. E.	S. W.	W.	–	–	–	–	Hazy p. m.
	4	42	69	49	53	29.464	29.303	29.342	4	1	0	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
	5	44	60	49	51	29 217	29.089	29.109	5	10	10	S. W.	S. W.	S. W.	–	–	–	–	Cloudy all day.
	6	36	49	42	42	29.133	29.047	29 055	2	10	10	S. W.	S. W.	N. E.	8 p. m.	–	–	–	Cloudy a.m. ; rainy p. m.
	7	35	35	29	33	29.778	29.681	29.794	10	9	7	N. W.	W.	S. W.	–	3½ a. m.	.18	–	Cloudy.
	8	29	32	33	31	28.836	28.891	28.948	9	7	4	S. W.	S. W.	W.	–	–	–	–	Cloudy and squally.
	9	31	38	35	35	29.061	29.025	29.083	2	1	0	W.	W.	W.	–	–	–	–	Fair weather.
☽	10	32	40	32	35	29.128	29.187	29.328	3	2	5	N. W.	N. W.	N. E.	–	–	–	–	Fair weather.
	11	29	38	30	32	29.291	29.175	29.191	1	4	2	N. W.	W.	S. W.	–	–	–	–	Fair weather.
	12	27	38	34	33	29.299	29.258	29.380	1	2	2	W.	W	W.	–	–	–	–	Fair weather; aur. 9 p.m.
	13	25	38	32	32	29.421	29.375	29.426	5	6	9	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
	14	32	35	33	33	29.291	29.183	29.303	10	10	10	N. E.	N. E.	N. E.	8 a. m.	10½ p. m.	.13	1.50	Snow.
	15	31	35	28	31	29.333	29.330	29.396	9	9	1	N.	N. W.	W.	–	–	–	–	Cloudy.
	16	78	35	28	27	29.517	29.525	29.596	1	1	10	S. W.	S. W.	N. E.	–	–	–	–	Fair.
	17	32	52	43	42	29.321	28.858	28.903	10	10	5	N. E.	S. E	S. W.	5 a. m.	6 p. m.	.92	–	Rain and sleet.
	18	35	39	31	35	28.931	29.110	29.313	1	8	0	S. W.	S. W.	S. W.	–	–	–	–	Fair.
☺	19	27	44	37	36	29.469	29.505	29.522	0	3	6	W.	W.	W.	–	–	–	–	Fair.
	20	47	57	43	49	29.052	28.835	29.152	10	2	4	E.	S. W.	W.	4 a. m.	11 a. m.	.70	–	Rainy a.m. ; fair p.m.
	21	38	45	36	40	29.233	29.237	29.375	8	4	7	W.	W.	W.	–	–	–	–	Cloudy.
	22	27	35	29	30	29.499	29.523	29.548	0	0	10	N. W.	N. W.	S. W.	–	–	–	–	Fair.
	23	31	36	33	33	29.488	29.410	29.418	10	10	10	N. E.	N. E.	N. E.	5½ a. m.	–	–	–	Snow and sleet.
	24	35	36	29	33	29.410	29.489	29.531	10	10	0	N. E.	N. E.	N. W.	–	12 m.	.50	1.00	Rainy a.m. ; fair p.m.
	25	22	35	27	28	29.612	29.613	29.646	0	1	1	N.	N.	N.	–	–	–	–	Fair ; aurora 9 p.m.
☾	26	22	36	33	30	29.642	29.547	29.515	0	5	4	N.	N.	N.	–	–	–	–	Fair.
	27	32	37	35	35	29.388	29.178	29.178	10	10	10	S. W.	S. W.	N. E.	–	–	–	–	Cloudy.
	28	32	35	28	32	29.291	29.323	29.431	8	5	0	N. W.	N. W.	N. W.	–	–	–	–	Fair.
	29	27	40	37	35	29.489	29.442	29.475	3	2	8	W.	W.	W.	–	–	–	–	Fair.
	30	44	49	59	48	29.305	29.249	29.147	10	10	10	S. W.	S. W.	S. W.	4½ a. m.	–	–	–	Drizzling rain all day.
Means,		31	41	35	36	29.353	29.296	29.356	4.	5.	5.				Amounts, ·		2.43	2.50	

METEOROLOGICAL OBSERVATIONS—DECEMBER, 1869.

Moon's Phases.	Days of the month.	Thermometer. 7 A. M.	Thermometer. 2 P. M.	Thermometer. 9 P. M.	Thermometer. Mean.	Barometer. Cor. and Red. to 32°. 7 A. M.	Barometer. 2 P. M.	Barometer. 9 P. M.	Clouds. 10=covered. 7A.M.	Clouds. 2P.M.	Clouds. 9P.M.	Wind. Direction and Force. 7 A. M.	Wind. 2 P. M.	Wind. 9 P. M.	Rain and Snow. Hour Began.	Rain and Snow. Hour Ended.	Rain and Snow. Inches Rain & Melted Snow.	Rain and Snow. Inches Snow.	Remarks.
	1	46	40	32	39	29.032	29.205	29.383	1	5	3	S. W.	W.	N. W.	–	5 a. m.	.47	–	Fair weather.
	2	24	27	21	24	29.474	29.434	29.379	5	10	10	N. W.	N. E.	N. E.	5 p. m.	–	–	–	Cloudy. Snow.
●	3	17	21	19	19	29.385	29.392	29.597	10	8	3	N. E.	N. E.	N.	–	12 a. m.	.08	1.	Squally.
	4	7	23	29	20	29.684	29.562	29.399	5	10	10	N.	N. W.	S. W.	5 p. m.	–	–	–	Cloudy. Snow.
	5	32	35	33	33	29.358	29.380	29.483	10	10	10	S. W.	S. W.	N. E.	–	3 p. m.	.11	1.5	Stormy.
	6	21	15	17	18	29.432	29.387	29.220	10	10	10	N. E.	N. E.	N. E.	3 a. m.	–	–	–	Snow.
	7	15	20	13	16	29.250	29.347	29.528	10	2	0	N. W.	N. W.	N. W.	–	6 a. m.	.91	13.	Fair weather.
	8	8	24	18	17	29.631	29.662	29.788	1	1	0	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	9	12	25	12	16	29.925	29.907	29.972	0	0	0	N. W.	N. W.	N. W.	–	–	–	–	Cloudless.
☽	10	7	34	17	19	29.844	29.709	29.667	0	0	0	N. W.	N. E.	N. E.	–	–	–	–	Cloudless.
	11	34	42	30	35	29.557	29.518	29.575	4	3	3	N. E.	N. W.	N. W.	–	–	–	–	Fair weather.
	12	31	35	37	34	29.525	29.448	29.418	10	10	10	N. E.	N. E.	S. W.	10 a. m.	6 p. m.	.05	–	Cloudy and rainy.
	13	36	35	31	34	29.528	29.515	29.723	9	10	9	N. W.	N. W.	N. W.	–	–	–	–	Cloudy.
	14	18	31	21	23	29.769	29.743	29.749	0	1	0	N. W.	N.	N. W.	–	–	–	–	Fair weather.
	15	17	30	22	23	29.713	29.679	29.649	2	2	0	N.	N. E.	N.	–	–	–	–	Fair weather.
	16	26	34	38	33	29.374	29.286	29.200	10	10	10	N. E.	N. E.	N. E.	5 p. m.	12 p. m.	.55	–	Cloudy and rainy.
	17	38	40	34	37	29.305	29.427	29.486	10	0	0	S. W.	N. W.	N. W.	–	–	–	–	Fair weather.
○	18	33	35	34	34	29.306	29.040	28.831	10	10	10	N. E.	N. E.	N. E.	12 m.	8 p. m.	.60	–	Rain.
	19	34	32	27	31	28 626	29.006	29.216	0	0	2	N. W.	N. W.	N. W.	–	–	–	–	Fair; Lunar Halo Eve.
	20	23	30	26	26	29.472	29.491	29.593	0	2	4	S. W.	S. W.	N. E.	–	–	–	–	Fair weather.
	21	19	30	28	26	29.831	29.871	29.896	3	7	10	S. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	22	31	35	49	38	29.673	29.240	29.090	10	10	10	E.	N. E.	S. E.	5 a. m.	12 p. m.	.88	–	Cloudy and rainy.
	23	31	40	28	33	29.313	29.467	29.583	0	3	0	N. W.	W.	W.	–	–	–	–	Fair weather.
	24	23	34	28	28	29.788	29.788	29.886	0	3	0	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
☾	25	30	41	36	36	29.854	29.826	29.810	2	5	5	S. W.	S. W.	S. W.	11½ p.m.	–	–	–	Fair weather.
	26	38	40	40	39	29.747	29.604	29.467	10	10	10	S. W.	N. E.	N. E.	–	–	–	–	Rainy.
	27	43	44	41	43	29.462	29.400	29.402	10	10	10	N. E.	N. E.	N. E.	11 p. m.	12 m.	–	–	Rainy.
	28	40	41	40	40	29.313	29.087	29.050	10	10	10	N. E.	N. E.	N. E.	–	–	–	–	Rainy.
	29	36	38	37	34	29.175	29.213	29.255	8	10	10	N. W.	N. W.	S. W.	–	1 a. m.	1.60	–	Cloudy.
	30	35	39	35	36	29.220	29.110	29.215	10	2	0	W.	S. W.	S. W.	–	–	–	–	Fair weather.
	31	34	41	35	37	29.323	29.388	29.478	1	6	0	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
Means,		27	33	29	29	29.480	29.455	29.486	5.	5.	5.				Amounts,		5.25	15.5	

METEOROLOGICAL OBSERVATIONS—JANUARY, 1870.

Moon's Phases.	Days of the month.	Thermometer. 7 A. M.	Thermometer. 2 P. M.	Thermometer. 9 P. M.	Thermometer. Mean.	Barometer. Cor. and Red. to 32°. 7 A. M.	Barometer. 2 P. M.	Barometer. 9 P. M.	Clouds. 10=covered. 7 A. M.	Clouds. 2 P. M.	Clouds. 9 P. M.	Wind. Direction and Force. 7 A. M.	Wind. 2 P. M.	Wind. 9 P. M.	Rain and Snow. Hour Began.	Rain and Snow. Hour Ended.	Rain and Snow. Inches Rain & Melted Snow.	Rain and Snow. Inches Snow.	Remarks.
●	1	27	40	36	34	29.576	29.550	29.518	3	10	10	S. W.	N. W.	E.	7 p. m.	–	–	–	Fair a. m.; cloudy p. m.
	2	40	35	43	39	29.270	28.841	28.593	10	10	3	N. E.	N. E.	S. W.	–	7 p. m.	3.00	–	Rain.
	3	36	40	32	36	28.873	28.908	28.983	0	2	0	S. W.	W.	W.	–	–	–	–	Fair. Aurora.
	4	26	34	30	30	29.041	29.026	29.151	1	3	1	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	5	27	29	23	26	29.269	29.393	29.569	8	6	0	S. W.	N. W.	N.	–	–	–	–	Fair weather.
	6	24	42	37	34	29.512	29.387	29.373	4	10	10	S. W.	S. W.	S. W.	8 p. m.	–	–	–	Cloudy.
	7	27	23	17	22	29.343	29.409	29.520	0	1	2	S. W.	N. W.	W.	–	4 a. m.	.12	–	Fair weather.
	8	21	23	18	21	29.417	29.229	29.340	10	10	1	S. W.	N. E.	W.	8 a. m.	6 p. m.	.20	4.00	Snow.
☽	9	15	16	6	12	29.493	29.607	29.703	1	3	1	N. W.	N. W.	N. W.	–	–	–	–	Fair.
	10	13	26	28	22	29.590	29.431	29.401	10	10	10	S. W.	S. E.	S. E.	7 a. m.	10 p. m.	.15	3.00	Snow.
	11	32	36	25	31	29.496	29.660	29.761	5	2	8	N. W.	N. W.	N. W.	–	–	–	–	Fair.
	12	35	42	42	40	29.563	29.304	29.304	10	7	3	S. W.	S. W.	W.	4½ a. m.	10 a. m.	–	–	Rain a.m.; fair p.m.
	13	39	37	25	34	29.393	29.273	29.301	10	10	10	S. W.	N. E.	N. E.	12 m.	11 p. m.	.15	–	Foggy a.m.; rainy p.m.
	14	19	20	16	18	29.865	29.923	29.975	10	3	10	N. E.	N. E.	N. E.	–	–	–	–	Fair.
	15	17	25	38	23	29.728	29.512	29.401	10	10	10	N. E.	N. E.	N. E.	2½ a. m.	–	–	–	Cloudy and rainy.
	16	38	39	32	36	29.343	29.522	29.686	1	1	5	N. W.	N. W.	N. W.	–	2 a. m.	.67	–	Fair. Lunar Halo.
○	17	32	42	55	43	29.663	29.470	29.369	10	10	10	S. E.	S. E.	S. E.	12 m.	10½ p. m.	.20	–	Cloudy a.m.; rainy, p.m.
	18	42	40	32	38	29.519	29.634	29.763	10	4	4	S. W.	N. W.	N. W.	–	–	–	–	Fair.
	19	25	32	25	27	29.874	29.818	29.801	2	2	0	N. W.	N. W.	N. W.	–	–	–	–	Fair.
	20	25	42	34	34	29.659	29.502	29.428	1	1	1	S. W.	S. W.	S. W.	–	–	–	–	Fair.
	21	34	35	27	32	29.363	29.478	29.634	5	0	0	S. W.	W.	W.	–	–	–	–	Fair.
	22	22	37	35	31	29.829	29.738	29.696	0	5	10	W.	S. W.	S. W.	–	–	–	–	Fair.
	23	47	54	50	50	29.456	29.299	29.384	10	7	10	S. W.	S. W.	S. E.	3½ a. m.	8 a. m.	–	–	Cloudy and showery.
☾	24	34	37	31	34	29.595	29.575	29.573	10	8	10	W.	N. E.	N. E.	7 p. m.	–	–	–	Cloudy and showery.
	25	28	32	35	32	29.279	28.956	29.938	10	10	10	N. E.	N. E.	N. E.	–	10½ p. m.	.80	–	Rainy.
	26	33	38	41	37	29.215	29.325	29.425	0	5	2	S. W.	S. W.	W.	–	–	–	–	Fair; aurora 9 p.m.
	27	33	48	37	39	29.441	29.407	29.543	0	5	8	W.	W.	N. W.	–	–	–	–	Fair.
	28	32	36	27	32	29.586	29.600	29.641	0	1	1	N. W.	N. W.	N. W.	–	–	–	–	Willow Bush in blossom.
	29	29	35	32	32	29.579	29.323	29.956	10	10	10	N. E.	S. W.	N. E.	9 a. m.	–	–	–	Snow.
	30	33	34	27	31	29.128	29.223	29.393	5	5	7	N. W.	N. W.	N. W.	–	2 a. m.	1.05	11.00	Fair.
●	31	22	24	25	24	29.452	29.389	29.204	10	10	10	N. E.	N. E.	N. E.	3 a. m.	–	–	–	Snow.
Means,		29	34	30	31	29.464	29.410	29.436	5.	5.	5.					Amounts,	6.34	18.00	

METEOROLOGICAL OBSERVATIONS—FEBRUARY, 1870.

Moon's Phases.	Days of the month.	THERMOMETER. 7 A. M.	THERMOMETER. 2 P. M.	THERMOMETER. 9 P. M.	THERMOMETER. Mean.	BAROMETER. Cor. and Red. to 32°. 7 A. M.	BAROMETER. 2 P. M.	BAROMETER. 9 P. M.	CLOUDS. 10=covered. 7A.M.	CLOUDS. 2P.M.	CLOUDS. 9P.M.	WIND. Direction and Force. 7 A. M.	WIND. 2 P. M.	WIND. 9 P. M.	RAIN AND SNOW. Hour Began.	RAIN AND SNOW. Hour Ended.	RAIN AND SNOW. Inches Rain & Melted Snow.	RAIN AND SNOW. Inches Snow.	REMARKS.
	1	23	34	20	26	29.009	29.046	29.382	10	10	10	N. E.	N. W.	N. W.	–	8 a. m.	.15	2.50	Cloudy a.m.; fair p.m.
	2	11	24	18	18	29.536	29.452	29.440	10	4	0	N. W.	N. E.	N.	–	–	–	–	Cloudy; aurora 9 p.m.
	3	18	24	17	20	29.540	29.559	29.653	5	10	10	N. E.	N. E.	N. E.	8½ p. m.	12 p. m.	–	–	Cloudy, squally.
	4	9	16	12	12	29.744	29.831	29.851	10	0	2	N.	N.	N.	–	–	–	–	Fair weather.
	5	15	24	20	20	29.761	29.639	29.502	10	10	5	N.	N. W.	N.	–	–	–	–	Squally all day.
	6	18	28	25	24	29.525	29.481	29.504	6	8	6	N. E.	N. E.	N.	–	–	–	–	Cloudy all day.
	7	18	32	21	24	29.545	29.553	29.557	8	3	5	N.	N. E.	N. E.	–	–	–	–	Fair weather. Lun. Halo.
☽	8	20	29	29	26	29.424	29.019	28.546	10	10	10	N. E.	N. E.	N. E.	9 a. m.	12 p. m.	1.00	10.00	Furious snow storm.
	9	24	30	27	27	28.609	28.796	28.879	6	5	5	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	10	23	29	25	26	28.969	28.894	29.104	3	6	3	N. W.	N. W.	N.	–	–	–	–	Fair weather. Lun. Halo.
	11	16	30	24	23	29.405	29.293	29.309	0	3	10	N. W.	N. W.	N.	–	–	–	–	Fair weather.
	12	34	43	30	36	28.991	28.975	29.046	10	3	0	N. E.	N. W.	N. W.	8 a. m.	10 a. m.	–	–	Cloudy and rainy.
	13	18	24	16	19	29.280	29.349	29.480	0	0	1	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	14	11	28	40	26	29.500	29.307	29.115	8	10	10	N. W.	N. E.	S. E.	7 p. m.	12 p. m.	.53	1.00	Cloudy and rainy.
○	15	43	45	35	41	29.035	29.097	29.215	10	10	10	N. W.	N. W.	N.	–	–	–	–	Cloudy and rainy.
	16	29	35	21	28	29.333	29.483	29.707	0	0	0	N.	N. W.	N. W.	–	–	–	–	Cloudless.
	17	16	36	34	29	29.825	29.733	29.643	0	8	5	N. W.	N. E.	S. W.	–	–	–	–	Fair weather.
	18	36	45	50	44	29.350	28.962	28.799	10	10	10	N. E.	S. E.	S. E.	4½ a. m.	–	–	–	Rainy.
	19	36	32	25	31	28.821	28.986	29.234	10	3	10	N. W.	N. W.	W.	–	4 a m.	.03	–	Fair weather.
	20	20	43	33	32	29.434	29.395	29.183	1	3	10	N. W.	S. W.	S. W.	11½ p.m.	–	–	–	Fair a. m.; cloudy p. m.
	21	28	28	8	31	29.051	28.961	29.143	9	4	1	W.	W.	W.	–	4½ a. m.	.40	1.50	Fair weather.
☾	22	3	16	14	11	29.254	29.277	29.280	0	0	0	N. W.	N. W.	N. W.	–	–	–	–	Coldest day of winter.
	23	10	28	25	21	29.193	29.081	29.081	0	0	0	N. W.	S. W.	S. W.	–	–	–	–	Cloudless.
	24	20	28	16	21	28.919	28.829	28.897	3	0	2	N.	N. W.	N. W.	–	–	–	–	Fair weather.
	25	4	16	18	13	28.955	28.892	28.904	0	1	7	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	26	15	27	23	33	28.910	28.884	29.066	0	1	8	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	27	19	27	24	23	29.170	29.061	28.904	8	10	10	N. W.	N. E.	N. E.	11½ a. m.	–	–	–	Cloudy a. m.; st'y p. m.
	28	27	31	31	30	28.704	28.748	29.841	10	10	10	N. E.	N. W.	N. W.	–	11½ p. m.	.64	6.00	Stormy.
Means,		20	29	24	25	29.242	29.199	29.223	5.	5.	5.					Amounts,	3.06	21.00	

METEOROLOGICAL OBSERVATIONS—MARCH, 1870.

Moon's Phases.	Days of the month.	THERMOMETER. 7 A. M.	THERMOMETER. 2 P. M.	THERMOMETER. 9 P. M.	THERMOMETER. Mean.	BAROMETER. Cor. and Red. to 32°. 7 A. M.	BAROMETER. 2 P. M.	BAROMETER. 9 P. M.	CLOUDS. 10=covered. 7A.M.	CLOUDS. 2P.M.	CLOUDS. 9P.M.	WIND. Direction and Force. 7 A. M.	WIND. 2 P. M.	WIND. 9 P. M.	RAIN AND SNOW. Hour Began.	RAIN AND SNOW. Hour Ended.	RAIN AND SNOW. Inches Rain & Melted Snow.	RAIN AND SNOW. Inches Snow.	REMARKS.
	1	32	33	30	32	28.888	28.883	28 894	9	7	3	W.	W.	W.	–	–	–	–	Fair weather.
●	2	21	34	21	25	28.914	29.026	29.052	2	3	2	W.	W.	W.	–	–	–	–	Fair weather.
	3	18	26	20	21	29.120	29.264	29.412	5	2	1	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	4	12	28	24	21	29.485	29.346	29.304	10	10	10	N.	E.	N. E.	7 p. m.	12 p. m.	–	1.	Cloudy a.m. ; st'y p.m.
	5	18	31	25	25	29.342	29.331	29.401	5	6	5	N.	N.	N.	–	–	–	–	Cloudy.
	6	17	32	25	25	29.425	29.386	29.346	5	9	7	N.	N. E.	N. E.	–	–	–	–	Cloudy.
	7	22	31	22	25	29.212	29.083	29.152	10	10	10	N. E.	N. E.	N. E.	3¼ a. m.	–	–	–	Snow storm.
	8	18	32	23	24	29.140	29.148	29.231	2	3	3	N. W.	N.	N.	–	2 a. m.	.28	5.	Fair weather.
	9	23	32	24	26	29.262	29.238	29 304	2	3	0	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
☽	10	18	35	32	28	29.307	29.135	29.148	1	6	8	W.	S. W.	N. W.	–	–	–	–	Cloudy. [p.m.
	11	10	26	24	20	29.333	29.244	29 251	0	8	3	N. W.	N. W.	N. W.	–	–	–	–	Fair. Halo round moon 9
	12	16	18	15	16	29.327	29.262	29.277	10	10	10	N. E.	N. E.	N. E.	2¾ p. m.	–	–	–	Cloudy and snowy.
	13	17	20	20	19	28.757	28.712	28.819	10	10	10	N. E.	N. E.	N.	–	11 p. m.	.85	12.	Furious snow storm.
	14	22	37	29	29	29.106	29.236	29.328	3	5	0	N.	N. W.	N. W.	–	–	–	–	Fair weather.
	15	20	40	30	30	29.416	29.420	29.430	0	0	0	N. W.	N. E.	N. E.	–	–	–	–	Cloudless.
	16	28	35	26	30	29.236	28 921	29.658	10	10	10	N. E.	E.	S. W.	11½ a.m.	9 p. m.	.56	2.	Cloudy and snowy.
☺	17	19	25	26	23	28.644	28.639	28.741	10	9	10	S. W.	W.	N. W.	–	–	–	–	Cloudy and squally.
	18	27	35	30	31	28.901	29.080	29.268	10	10	0	N. E.	N.	N. W.	–	–	–	–	Cloudy and squally.
	19	23	37	30	30	29.372	29.378	29.418	0	0	0	N.	N. W.	N. W.	–	–	–	–	Cloudless.
	20	26	44	38	36	29.426	29 365	29.315	2	5	9	N. W.	N. W.	N. W.	–	–	–	–	Cloudy.
	21	36	44	42	41	29.255	29.057	29.128	10	10	3	S. W.	S. W.	N. W.	–	–	–	–	Cloudy.
	22	39	44	36	40	29.173	29.152	29.175	2	3	2	N. W.	N. W.	N. W.	–	–	–	–	Fair ; aurora 9 p. m.
☾	23	33	37	30	33	29.188	29.175	29.313	2	3	3	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	24	26	31	26	28	29.399	29.408	29.541	0	0	0	N. W.	N. W.	N. W.	–	–	–	–	Cloudless.
	25	19	33	29	27	29.613	29.628	29 691	0	0	0	N. W.	N. W.	N. W.	–	–	–	–	Cloudless ; aurora 9 p.m.
	26	23	35	30	29	29.735	29.780	29.755	1	1	8	N. E.	N. E.	N. E.	–	–	–	–	Fair weather.
	27	32	35	37	35	29.585	29.370	29.162	10	10	10	N. E.	N. E.	N. E.	1½ p. m.	–	–	–	Cloudy, snow and rain.
	28	39	40	38	39	28.830	28.868	28.970	10	10	10	N. E.	N. E.	N. E.	–	11 p. m.	.50	–	Showery all day.
	29	36	40	40	39	29.078	29.170	29.310	10	10	10	N. E.	N. E.	N. E.	11 p. m.	–	–	–	Showery.
	30	39	43	42	41	29.450	29.509	29.542	10	10	8	N. E.	N. E.	N. W.	–	4 a. m.	.15	–	Cl'dy ; blue birds app'd.
●	31	35	47	38	40	29.580	29.551	29.600	1	1	0	N. E.	N. E.	N.	–	–	–	–	Fair ; robins appeared.
Means,		24	34	29	29	29.241	29.218	29 256	5.	5.	5.				Amount,		2.34	20.	

METEOROLOGICAL OBSERVATIONS—APRIL, 1870.

Moon's Phases.	Days of the month.	THERMOMETER. 7 A. M.	THERMOMETER. 2 P. M.	THERMOMETER. 9 P. M.	THERMOMETER. Mean.	BAROMETER. Cor. and Red. to 32°. 7 A. M.	BAROMETER. 2 P. M.	BAROMETER. 9 P. M.	CLOUDS. 10=covered. 7A.M.	CLOUDS. 2P.M.	CLOUDS. 9P.M.	WIND. Direction and Force. 7 A. M.	WIND. 2 P. M.	WIND. 9 P. M.	RAIN AND SNOW. Hour Began.	Hour Ended.	Inches Rain & Melted Snow.	Inches Snow.	REMARKS.
	1	35	52	40	42	29.583	29.541	29.556	1	3	3	N. E.	N. E.	N. E.	–	–	–	–	Fair weather.
	2	34	50	41	42	29.446	29.344	29.289	2	3	3	N. E.	N. E.	N. E.	–	–	–	–	Fair weather.
	3	38	39	33	37	29.175	29.205	29.213	9	10	10	N. E.	N. E.	N. E.	2 p m.	–	–	–	Snow.
	4	30	34	34	33	29.093	29.083	28.983	10	10	10	N. E.	N. E.	N. E.	–	–	–	–	Snow and rain.
	5	36	43	36	38	29.028	29.137	29.235	10	10	10	E	E.	N. E.	–	7½ a. m.	1.32	4.	Cloudy.
	6	32	37	37	35	29.186	29.153	29.195	10	10	10	N. E.	N. E.	N.	6 a. m.	6 p. m.	.47	–	Snow and rain.
	7	37	47	43	42	29.228	29.252	29.335	5	9	9	N. W.	N. W.	N. W.	–	–	–	–	Wild geese seen. Crocus
☽	8	39	56	44	46	29.370	29.444	29.394	5	3	0	N. W.	N. E.	N. E.	–	–	–	–	Wild geese seen. [in bl.
	9	40	63	50	51	29.440	29.388	29.433	0	0	0	N. E.	N. E.	N. E.	–	–	–	–	Cloudless.
	10	38	62	48	49	29.525	29.492	29.503	0	3	4	N. E.	N. E.	N. E.	–	–	–	–	Fair. Lunar Halo.
	11	40	51	44	45	29.467	29.289	29.137	8	10	10	N. E.	N. E.	N. E.	3½ p.m.	–	–	–	Cloudy a.m.; rainy p. m.
	12	46	53	49	49	28 955	28.939	29.042	10	9	1	N. E.	N.	N.	–	2 a. m.	.37	–	Cloudy.
	13	40	56	51	49	29.220	29.266	29.369	0	1	5	N. W.	N. W.	S. W.	–	–	–	–	Fair.
	14	46	75	64	62	29.397	29.292	29.293	3	8	9	S. W.	S. W.	S. W.	–	–	–	–	Shower p.m.; Dandelion
☺	15	59	51	41	50	29.303	29.526	29.679	1	10	10	N. E.	N. E.	N.	–	–	–	–	Cloudy. [in bloss.
	16	38	53	37	43	29.710	29.683	29.692	1	1	10	N. E.	N. E.	S. W.	–	–	–	–	Fair.
	17	37	43	40	40	29.552	29.462	29.414	10	10	10	N. E.	N. E.	N. E.	3 a. m.	–	–	–	Rainy.
	18	43	47	44	45	29.252	29.119	29.102	10	10	10	N. E.	N. E.	S. E.	–	–	–	–	Rainy.
	19	42	48	43	44	29.022	29.049	29.002	10	10	10	N. E.	N. E.	N. E.	–	12 m.	2.75	–	Cloudy and showery.
	20	38	48	42	43	28.973	29.049	29.120	10	10	10	N.	N. W.	N. E.	–	–	–	–	Cloudy and showery.
	21	39	46	45	43	29.097	29.117	29.152	10	9	10	N. E.	N. E.	N. E.	–	12 p. m.	.65	–	Cloudy and showery.
☾	22	42	54	44	47	29.265	29.279	29.342	10	9	10	N.	N. W.	N.	–	–	–	–	Cloudy.
	23	48	59	50	52	29.359	29.383	29.396	7	9	0	N. W.	N. W.	S. W.	–	–	–	–	Fair.
	24	50	72	56	59	29.419	29.325	29.281	1	2	6	S. W.	S. W.	W.	–	–	–	–	Fair. [lightning.
	25	47	53	47	49	29.302	29.302	29.473	10	3	1	N. E.	N. E.	N. E.	3¼ a. m.	10 a. m.	.17	–	Rainy a.m.; thunder and
	26	45	64	53	54	29.524	29.386	29.420	1	1	0	S. W.	S. W.	S. W.	–	–	–	–	Fair. Arbutus, Liverroot
	27	52	73	60	62	29.409	29.330	29.395	9	3	1	S. W.	S. W.	S. W.	–	–	–	–	Fair. [& Bl'droot in bl.
	28	54	74	61	63	29.239	29.145	29.205	3	10	10	S. W.	S. W.	S. W.	6 p. m.	10 p. m.	.30	–	Hazy. Thunder & light-
	29	48	54	49	50	29.349	29.336	29.342	3	10	1	N. E.	N. W.	S. W.	–	–	–	–	Fair. [ning.
●	30	45	62	50	52	29.392	29.283	29.291	1	3	5	N. E.	N. E.	N. E.	–	–	–	–	Fair.
Means,		41	53	45	47	29.381	29.286	29.393	5.	6.	6.				Amount,		6.03	4.	

METEOROLOGICAL OBSERVATIONS—MAY, 1870.

Moon's Phases.	Days of the month.	Thermometer. 7 A. M.	Thermometer. 2 P. M.	Thermometer. 9 P. M.	Thermometer. Mean.	Barometer. Cor. and Red. to 32°. 7 A. M.	Barometer. 2 P. M.	Barometer. 9 P. M.	Clouds. 10=covered. 7 A. M.	Clouds. 2 P. M.	Clouds. 9 P. M.	Wind. Direction and Force. 7 A. M.	Wind. 2 P. M.	Wind. 9 P. M.	Rain and Snow. Hour Began.	Rain and Snow. Hour Ended.	Rain and Snow. Inches Rain & Melted Snow.	Rain and Snow. Inches Snow.	Remarks.
	1	49	59	51	53	29.155	29.249	29.431	1	3	0	W.	N. W.	N. W.	–	–	–	–	Fair w'r; aurora 9 p. m.
	2	46	64	55	55	29.436	29.514	29.512	2	0	0	S. W.	N. W.	S. W.	–	–	–	–	Fair weather.
	3	51	67	55	58	29.451	29.320	29.221	0	5	3	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
	4	55	76	52	61	29.003	29.872	29.113	10	10	3	S. W.	S. W.	S. W.	–	–	–	–	Cloudy. Hazy p. m.
	5	44	65	53	54	29.302	29.188	29.223	0	1	0	E.	N. W.	N. W.	–	–	–	–	Fair.
	6	45	66	59	57	29.155	28 988	28.951	2	4	10	S. W.	S. W.	N. E.	–	–	–	–	Fair.
☽	7	41	53	52	49	28.858	28.857	28.964	10	10	10	N. E.	N. E.	S. W.	2 p m.	4 p m.	.10	–	Cloudy a.m.; rainy p. m.
	8	52	58	50	53	29.042	29.023	29.066	10	10	10	S. E.	N. E.	N.	–	–	–	–	Cloudy.
	9	46	49	45	47	29.089	29.022	29.152	10	10	10	N. E.	N. E.	N. E.	1 a. m.	–	–	–	Cloudy and rainy.
	10	44	48	43	45	29.255	29.267	29 357	9	9	0	N. E.	N. E.	S.	–	–	–	–	Cloudy and rainy.
	11	43	45	41	43	29 295	29.225	29.122	10	10	10	E.	E.	E.	–	12 p. m.	1.60	–	Cloudy and rainy.
	12	47	60	54	54	29.080	29 121	29.169	9	5	8	S. W.	S. W.	S.	–	–	–	–	Cloudy. Peach trees in
	13	50	64	55	56	29.187	29.096	29.099	5	8	0	S. W.	W.	N.	–	–	–	–	Cloudy. [bloss.
○	14	50	65	62	59	29.204	29.108	29.133	5	9	5	N.	N.	N.	–	–	–	–	Cloudy.
	15	63	72	66	67	29.216	29.192	29.192	7	5	5	S. W.	S. W.	S. W.	–	–	–	–	Cloudy.
	16	67	81	57	68	29.205	29.139	29.208	8	5	3	W.	N. W.	N. E.	–	–	–	–	Cloudy. Apple trees in
	17	51	58	50	53	29.356	29.517	29.487	9	9	1	N. E.	N. E.	N. E.	–	–	–	–	Cloudy. [bloss.
	18	48	66	55	56	29.594	29.546	29.422	6	2	0	N. E.	S. W.	N. E.	–	–	–	–	Fair. Frost.
	19	55	74	62	64	29.585	29.446	29.411	2	2	10	S. W.	S. W.	S. W.	–	–	–	–	Fair.
	20	64	78	70	71	29.426	29 352	29.411	9	3	5	S. W.	S. W.	S. W.	–	–	–	–	Cloudy.
☾	21	56	73	54	61	29.497	29.385	29.334	10	6	10	N. E.	N. E.	N. E.	–	–	–	–	Cloudy with slight rain
	22	58	63	53	58	29.467	29.430	29.467	2	4	0	N.	N.	N. W.	–	–	–	–	Fair. [p. m.
	23	48	62	57	56	29.514	29.386	29.366	6	10	10	S.	S. W.	N. E.	–	–	–	–	Cloudy.
	24	57	55	51	54	29.295	29.201	29.142	10	10	10	W.	N. E.	N. E.	5½ p. m.	12 p. m.	.30	–	Cloudy and rainy.
	25	54	73	67	65	29.136	29.023	29.130	10	8	10	E.	W.	N. E.	–	–	–	–	Cloudy.
	26	57	68	60	62	29 269	29.250	29.253	4	9	10	N. E.	E.	N. E.	–	–	–	–	Cloudy.
	27	59	59	53	54	29.384	29 381	29.385	9	9	10	N. E.	N. E.	N. E.	–	–	–	–	Cloudy.
	28	49	51	49	50	29.287	29.232	29.177	10	10	10	N. E.	N. E.	N. E.	10 a. m.	–	–	–	Cloudy and rainy.
●	29	54	66	60	60	29.266	29.305	29.378	10	10	2	S. W.	S. W.	S. W.	–	–	–	–	Cloudy and rainy.
	30	59	70	60	63	29.465	29.482	29.577	10	10	10	W.	N.	S. W.	–	12 p. m.	.40	–	Cloudy.
	31	62	69	62	64	29.617	29.626	29.592	9	8	0	N. E.	E.	N. E.	–	–	–	–	Cloudy.
Means,		52	63	55	60	29.615	29.605	29.595	6.	6.	5.				Amount,		2.40	–	

METEOROLOGICAL OBSERVATIONS—JUNE, 1870.

Moon's Phases.	Days of the month.	THERMOMETER. 7 A. M.	2 P. M.	9 P. M.	Mean.	BAROMETER. Cor. and Red. to 32°. 7 A. M.	2 P. M.	9 P. M.	CLOUDS. 10=covered. 7A.M.	2P.M.	9P.M.	WIND. Direction and Force. 7 A. M.	2 P. M.	9 P. M.	RAIN AND SNOW. Hour Began.	Hour Ended.	Inches Rain & Melted Snow.	Inches Snow.	REMARKS.
	1	62	74	69	68	29.517	29.498	29.353	8	4	2	W.	N.	S. W.	–	–	–	–	Fair weather.
	2	68	77	68	71	29 306	29.285	29.318	1	3	2	N. W.	S. W.	N. W.	–	–	–	–	Fair weather.
	3	58	75	70	67	29.402	29.368	29.401	10	8	0	N. E.	S. W.	S. W.	–	–	–	–	Fair weather.
	4	69	80	91	80	29.436	29.372	29.378	10	4	2	W.	S. W.	S. W.	–	–	–	–	Fair weather.
	5	64	76	70	70	29 386	29.335	29.208	10	9	6	S. W.	S. W.	S. W.	4 p. m.	–	–	–	Fair weather.
☽	6	70	72	70	70	29.313	29.288	29 391	10	8	0	S.	S. W.	S. W.	9½ a. m.	–	.35	–	Fair weather.
	7	70	72	67	69	29.391	29.355	29.348	10	10	10	S. E.	S. E.	S. E.	–	12 p. m.	.50	–	Showery p. m.
	8	63	75	67	68	29.309	29.288	29.373	10	8	9	E.	E.	E.	–	–	–	–	Cloudy and sultry.
	9	65	71	59	65	29.334	29.301	29.360	10	10	10	E.	E.	E.	–	–	–	–	Cloudy and sultry.
	10	52	58	51	53	29.363	29.352	29.385	10	10	10	N. E.	N. E.	N. E.	11 a. m.	–	–	–	Drizzly p. m.
	11	52	59	58	56	29.361	29.348	29.347	10	10	10	N. E.	N. E.	N. E.	–	1 p. m.	–	–	Showery.
	12	56	69	68	64	29.430	29.396	29.496	5	6	3	S. W.	S. W.	S. W.	–	–	–	–	Showery.
○	13	77	71	69	72	29.398	29.508	29.436	8	10	10	S. W.	S. E.	S. E.	1 p. m.	–	.84	–	Showery p. m. and eve.
	14	65	75	69	69	29.398	29.345	29.318	10	8	4	S. W.	S. W.	S. W.	–	–	–	–	– –
	15	64	75	70	69	29.346	29.318	29.358	0	5	5	S. W.	S. W.	S. W.	–	–	–	–	– –
	16	67	76	71	71	29.348	29.302	29.313	8	8	6	S. W.	S. W.	S. W.	6 p. m.	8 p. m.	–	–	Thunder and lightning.
	17	68	74	68	70	29.313	29.333	29.351	2	10	2	S. W.	S. W.	S. W.	–	–	–	–	– –
	18	72	86	75	78	28.346	29.309	29.364	5	2	0	S. W.	S. W.	S. W.	–	–	–	–	Hazy a. m.
	19	66	78	68	70	29.451	29.428	29.383	0	4	5	N. E.	N. E.	N. E.	–	–	–	–	– –
☾	20	68	84	66	72	29.293	29.232	29.216	8	6	10	S. W.	S. W.	S. W.	5 p. m.	6 p. m.	.40	–	Shower; thunder & light.
	21	62	66	65	64	29.269	29.321	29.314	1	3	8	N. W.	N. W.	N. W.	–	–	–	–	– –
	22	55	67	64	62	29.480	29.451	29.454	1	8	9	N. W.	N. W.	N. W.	–	–	–	–	– –
	23	63	73	74	70	29.492	29.453	29.450	10	8	6	S. W.	S W.	S. W.	3½ a. m.	–	–	–	Slight rain fr. 7 to 8 a.m.
	24	70	87	79	78	29.466	29.429	29.412	2	5	0	S. W.	S. W.	S. W.	–	–	–	–	– –
	25	77	92	82	83	29.455	29.371	29.354	3	1	4	S. W.	N. W.	N. W.	9 p. m.	–	–	–	Lightning, N. W.
	26	75	65	63	67	29.466	29.380	29.345	5	10	10	N. E.	N. E.	N .E.	1½ p. m.	3 p. m.	–	–	– [p. m.
	27	64	78	73	71	29.410	29.496	29.504	10	5	8	N. E.	N. W.	N. W.	–	–	–	–	Light. and thun. N. W. 9
●	28	76	84	78	79	29.253	29.241	29.242	2	5	5	N. W.	N. E.	N. E.	2 p. m.	–	–	–	Lightning 9 p. m.
	29	72	82	72	75	29.285	29.367	29 270	3	2	6	N. W.	N. W.	W.	–	–	–	–	– –
	30	72	85	77	78	29.087	29.062	29.057	5	3	3	W.	W.	S. W.	–	–	–	–	– –
Means,		66	75	69	69	29.370	29.347	29.350	6.	6.	5.				Amount,		2.09	–	

METEOROLOGICAL OBSERVATIONS—JULY, 1870.

Moon's Phases.	Days of the month.	THERMOMETER. 7 A. M.	THERMOMETER. 2 P. M.	THERMOMETER. 9 P. M.	THERMOMETER. Mean.	BAROMETER. Cor. and Red. to 32°. 7 A. M.	BAROMETER. 2 P. M.	BAROMETER. 9 P. M.	CLOUDS. 10=covered. 7 A. M.	CLOUDS. 2 P. M.	CLOUDS. 9 P. M.	WIND. Direction and Force. 7 A. M.	WIND. 2 P. M.	WIND. 9 P. M.	RAIN AND SNOW. Hour Began.	Hour Ended.	Inches Rain & Melted Snow.	Inches Snow.	REMARKS.
	1	61	66	64	64	29.196	29.361	29.406	10	4	2	N. E.	N. E.	N.	–	–	–	–	Int'rupted rain in night
	2	62	68	66	65	29.452	29.496	29.481	0	0	10	N. E.	N. E.	N. E.	–	–	–	–	– –
	3	62	65	63	63	29.452	29.404	29.209	10	10	10	S. E.	S. E.	S. E.	–	–	–	–	– –
	4	60	78	68	69	29.437	29.410	29.416	0	0	0	N. E.	N. E.	S. E.	–	–	–	–	– –
☽	5	61	79	68	69	29.444	29.407	29.436	0	0	0	N. E.	S. E.	S. W.	–	–	–	–	– –
	6	67	75	71	71	29.418	29.398	29.358	1	6	4	S. W.	S. W.	S. W.	2 p. m.	–	.43	–	– –
	7	68	76	70	71	29.376	29.245	29.232	10	6	10	S. E.	S. W.	S. W.	2 p. m.	–	–	–	Slight shower.
	8	65	67	68	67	29.185	29.268	29.376	10	10	4	W.	S. W.	W.	–	–	1.10	–	– –
	9	64	74	66	68	29.426	29.410	29.441	0	0	0	N. W.	N. W.	N. W.	–	–	–	–	– –
	10	67	84	72	74	29.528	29.454	29.445	0	0	0	W.	S. W.	S. W.	–	–	–	–	– –
	11	69	81	73	74	29.473	29.462	29.413	0	0	4	S. W.	S. W.	S. W.	–	–	–	–	– –
○	12	70	80	75	75	29.325	29.134	29.144	10	6	10	S. E.	S. W.	S. W.	11 p. m.	–	.25	–	Slight showers p.m., rain [a.m.
	13	72	83	73	76	29.157	29.279	29.144	0	2	0	S. W.	S. W.	S. W.	–	–	–	–	–
	14	70	82	72	75	29.278	29.209	29.205	0	2	0	S. W.	N. W.	S. W.	4 p. m.	–	–	–	Showery weather.
	15	67	79	71	69	29.308	29.340	29.483	6	2	5	E.	W.	S. W.	–	–	–	–	– –
	16	68	81	76	75	29.438	29.404	29.342	9	2	10	S.	S. W.	S. W.	–	–	–	–	– –
	17	75	89	77	80	29.298	29.221	29.237	3	3	2	S. W.	S. W.	S. W.	–	–	.30	–	Showery a. m.
	18	71	84	77	77	29.392	29.254	29.252	10	6	0	W.	S. W.	S. W.	–	–	–	–	– –
	19	74	83	68	75	29.135	29.262	29.416	0	0	6	S. W.	E.	E.	–	–	–	–	– –
☾	20	66	77	73	72	29.481	29.422	29.418	10	3	10	E.	S.	S. E.	–	–	–	–	– –
	21	73	86	76	78	29.353	29.289	29.375	6	2	0	S.	W.	S. W.	–	–	–	–	– –
	22	69	79	73	74	29.506	29.510	29.478	0	0	4	E.	E.	S. E.	–	–	–	–	– –
	23	66	87	79	77	29.451	29.391	29.467	0	2	0	S.	S. W.	S. W.	–	–	–	–	– –
	24	77	90	79	82	29.455	29.161	29.277	0	0	5	S. W.	S. W.	S. W.	–	–	–	–	– –
	25	77	90	79	82	29.315	29.298	29.304	0	2	0	S. W.	S. W.	W.	–	–	–	–	– –
	26	76	88	80	81	29.388	29.333	29.244	0	4	9	N. W.	S. W.	S. W.	–	–	–	–	– –
	27	72	75	71	73	29.323	29.378	29.380	5	0	10	E.	E.	S. W.	–	–	–	–	– –
●	28	69	77	70	72	29.378	29.342	29.293	4	3	8	S. E.	S. W.	S. W.	–	–	–	–	– –
	29	73	83	70	75	29.193	29.122	29.242	10	9	2	S. W.	S. W.	S. W.	3¼ a. m.	–	.31	–	Showery p. m.
	30	66	78	70	68	29.324	29.330	29.422	0	3	0	N. W.	N. E.	N. E.	–	–	–	–	– –
	31	66	78	70	71	29.504	29.425	29.405	0	3	0	N. W.	S. W.	S. W.	–	–	–	–	– –
Means,		68	79	72	73	29.365	29.336	29.346	3.	3.	4.				Amount,		2 39	–	

METEOROLOGICAL OBSERVATIONS—AUGUST, 1870.

Moon's Phases.	Days of the month.	Thermometer. 7 A. M.	Thermometer. 2 P. M.	Thermometer. 9 P. M.	Thermometer. Mean.	Barometer. Cor. and Red. to 32°. 7 A. M.	Barometer. 2 P. M.	Barometer. 9 P. M.	Clouds. 10=covered. 7A.M.	Clouds. 2P.M.	Clouds. 9P.M.	Wind. Direction and Force. 7 A. M.	Wind. 2 P. M.	Wind. 9 P. M.	Rain and Snow. Hour Began.	Rain and Snow. Hour Ended.	Rain and Snow. Inches Rain & Melted Snow.	Rain and Snow. Inches Snow.	Remarks.
	1	68	82	75	75	29.396	29.319	29.408	0	3	3	S. W.	W.	S. W.	–	–	–	–	Fair weather.
	2	70	84	73	76	29 261	29.200	29.298	3	2	0	W.	W.	S. W.	–	–	–	–	Fair weather.
	3	64	80	73	72	29.379	29.334	29.328	4	0	10	N.	S.	S. E.	–	–	–	–	Fair weather.
☽	4	75	75	72	74	29.270	29.220	29.185	7	7	6	S.	S W.	S. W.	2½ p. m.	–	.65	–	Shower, comm'g 2½ p.m.
	5	68	82	74	75	29.158	29.119	29.170	0	2	0	S. W.	W.	S. W.	–	–	–	–	Fair weather.
	6	71	82	74	75	29 288	29.269	29.315	0	1	0	N. W.	N. W.	S. W.	–	–	–	–	Fair weather.
	7	71	88	75	78	29.328	29.291	29 422	0	3	0	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
	8	69	83	76	76	29.523	29.437	29.570	1	3	3	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
	9	74	84	78	79	29.480	29.424	29.407	3	4	5	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
	10	76	87	78	80	29.445	29.379	29.414	9	5	10	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
☺	11	75	82	74	77	29.438	29 404	29.418	9	8	3	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
	12	74	83	75	77	29.408	29.287	29.3 8	10	3	0	S. W.	S. W.	S. W.	–	–	–	–	A very slight shower.
	13	71	82	70	74	29.318	29.319	29.238	2	3	10	W.	S. W.	N. W.	9 p. m.	–	.29	–	Slight sprinkling; thun.
	14	59	70	66	65	29.272	29.233	29.274	10	5	0	N. W.	N. W.	S. W.	–	–	–	–	Fair weather. [& light.
	15	64	75	65	68	29.289	29.268	29.301	0	2	0	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	16	57	76	65	66	29.307	29 325	29.201	0	2	0	N. W.	S. E.	S. W.	–	–	–	–	Fair weather.
	17	65	78	69	71	29.196	29.150	29.173	0	2	0	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
	18	67	85	75	76	29.228	29.199	29.262	0	2	0	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
☾	19	69	86	73	76	29.333	29.309	29.298	0	2	0	S. W.	S. W.	S. W.	–	–	–	–	– –
	20	71	74	71	72	29.148	29.272	29 318	0	10	8	S. W.	W.	N. W.	1½ p. m.	3 p. m.	.30	–	Fair weather; aur. 10 p.m.
	21	63	74	62	66	29.449	29.440	29.502	0	2	0	N. E.	N. E.	N. E.	–	–	–	–	Fair weather.
	22	63	75	66	68	29.482	29 433	29.468	0	3	10	N. E.	N. E.	N. E.	–	–	–	–	Fair weather.
	23	63	73	68	68	29.422	29.323	29.406	0	8	10	N. W.	W.	N. W.	–	–	–	–	Fair weather.
	24	63	73	68	68	29.322	29 323	29.312	0	10	10	N. W.	S.	S. W.	–	–	–	–	Fair weather.
	25	67	79	76	74	29.276	29.175	29 175	10	6	10	S.	S.	N. W.	–	–	.50	–	Fair weather.
●	26	65	71	58	65	29 228	29.382	29.4 2	4	3	0	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	27	53	68	59	60	29.605	29 576	29 557	0	0	0	N.	S. E.	S. W.	–	–	–	–	Fair weather.
	28	53	71	66	64	29 410	29 408	29.391	4	6	8	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	29	66	76	72	71	29.321	29.198	29.175	8	10	6	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
	30	71	77	66	71	29.098	29.172	29.271	8	2	0	S. W.	W.	W.	–	–	–	–	Fair weather.
	31	59	75	66	67	29 352	29.338	29.338	0	6	0	N. W.	W.	S. W.	–	–	–	–	Fair weather.
Means,		66	78	70	71	29.336	29.307	29.627	3.	4.	3.				Amount,		1.74	–	

METEOROLOGICAL OBSERVATIONS—SEPTEMBER, 1870.

Moon's Phases.	Days of the month.	THERMOMETER. 7 A. M.	2 P. M.	9 P. M.	Mean.	BAROMETER. Cor. and Red. to 32°. 7 A. M.	2 P. M.	9 P. M.	CLOUDS. 10=covered. 7A.M.	2P.M.	9P.M.	WIND. Direction and Force. 7 A. M.	2 P. M.	9 P. M.	RAIN AND SNOW. Hour Began.	Hour Ended.	Inches Rain & Melted Snow.	Inches Snow.	REMARKS.
	1	63	81	67	70	29.309	29 292	29.338	0	2	0	S. W.	S. W.	S.	–	–	–	–	Fair weather.
☽	2	60	76	66	67	29.340	29.298	29 278	0	3	8	N. W.	S. W.	N. W.	–	–	–	–	Fair weather.
	3	65	70	68	67	29.254	29.171	29.066	10	10	10	N.	N. E.	N. E.	–	–	–	–	Rain p. m. and evening.
	4	69	79	65	71	29.033	29.007	29.091	6	3	0	N. W.	S. W.	S. W.	–	–	.13	–	Slight shower; th'der &
	5	61	71	61	64	29.207	29.258	29.372	0	3	0	N. W.	N. W.	S. W.	–	–	–	–	Fair. [light. 7 p.m.
	6	55	70	59	61	29.453	29.441	29.477	0	0	0	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	7	50	70	60	60	29.563	29.508	29.594	0	0	0	N. W.	N. W.	N. W.	–	–	–	–	Fair weather.
	8	51	69	57	59	29.711	29 698	29.672	0	4	10	N. W.	N. W.	S. W.	–	–	–	–	Fair weather.
○	9	56	74	59	63	29.637	29.520	29.484	8	10	10	S. W.	S. W.	S W.	–	–	–	–	Fair weather.
	10	60	64	60	61	29.414	29.396	29.314	10	10	10	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
	11	50	65	51	55	29.441	29.364	29.515	10	10	10	S. W.	S. W.	N. E.	–	–	–	–	Fair weather.
	12	48	65	54	55	29.476	29.434	29.445	10	10	10	N. E.	N. W.	N. W.	–	–	–	–	Slight frost in a. m.
	13	43	72	59	58	29.613	29.555	29.442	10	10	10	S. W.	S. W.	S. W.	–	–	–	–	Fair weather.
	14	52	72	64	62	29.585	29.548	29.594	10	3	10	N. E.	S. E.	N. E.	–	–	–	–	Fair weather.
	15	55	78	64	65	29.507	29.382	29.371	8	3	4	S. W.	S. W.	S. E.	–	–	–	–	Fair weather.
	16	63	78	61	67	29.389	29.388	29.559	3	3	10	S. W.	S. E.	S. W.	–	–	–	–	Fair weather.
☾	17	56	59	57	57	29.572	29.500	29.495	10	10	10	S. W.	S. E.	S. W.	–	–	.15	–	Slight rain a.m. and p m.
	18	60	72	64	65	29.240	29.151	29.264	2	5	10	N. E.	N. E.	N. W.	–	–	–	–	Fair weather. [Cloudy.
	19	52	67	54	57	29.505	29.438	29.447	10	1	0	N. E.	S. W.	S W.	–	–	–	–	Fair weather.
	20	53	69	60	60	29.483	29.531	29.539	0	1	0	S. W.	S. E	S. W.	–	–	–	–	Fair weather.
	21	46	71	58	58	29.528	29.466	29.804	2	0	0	N. W.	S. E.	S. W.	–	–	–	–	Slight fog in a. m.
	22	53	74	60	62	29.605	29.518	29.509	0	2	10	S. W.	S. E.	S. W.	–	–	–	–	Fair weather.
	23	55	77	68	66	29.375	29.332	29.293	8	3	10	S. E.	S. W.	S. W.	–	–	–	–	Sultry weather.
	24	65	77	70	70	29.284	29.248	29.378	4	8	10	N. W.	N. W.	S. E.	–	–	–	–	Cloudy p. m.
●	25	66	76	65	69	29.333	29.215	29.354	2	8	10	N. E.	N. W.	N. W.	–	–	–	–	Slight rain 3 p. m.; aur.
	26	55	70	62	62	29.475	29.461	29.429	1	2	1	N. E.	S. E.	S. E.	–	–	–	–	Sultry p. m. [8½ p. m.
	27	55	70	61	62	29.520	29.368	29.382	5	6	0	N. E.	S. E.	S. W.	–	–	–	–	Fair weather.
	28	56	71	58	61	29.397	29.421	29.400	7	3	1	N. W.	S. E.	S. E.	–	–	–	–	Fair weather.
	29	50	69	59	59	29.503	29.586	29.567	10	3	10	N. E.	S. E.	N. W.	–	–	–	–	Cloudy.
	30	58	57	59	58	29 557	29.522	29.260	10	10	10	N. W.	S. W.	N. W.	11¾ a.m.	–	1.12	–	Rain in a. m. and p. m.
Means,		56	71	61	62	29.443	29.400	29.424	5.	4.	6.				Amount,		1.40	–	

WEATHER AND WIND, 1869–70.

Weather and Wind.	October.	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	Septemb'r.	Total.
Number of days clear,	5	10	2	0	2	4	1	0	0	4	1	2	31
Number of days cloudy,	26	30	29	31	26	27	29	31	30	27	30	28	344
Number of days rainy,	9	6	10	14	10	6	9	6	12	7	4	3	96
Number of days N. wind,	0	2	2	1	1	2	2	2	0	0	0	0	12
Number of days N. W. wind,	12	4	10	8	14	10	3	3	6	2	6	9	87
Number of days W. wind,	1	5	1	3	1	2	0	0	1	0	2	0	16
Number of days S. W. wind,	7	9	7	6	2	0	5	9	13	16	13	12	99
Number of days S. wind,	0	0	0	0	0	0	0	0	0	0	1	0	1
Number of days S. E. wind,	1	0	0	2	1	0	0	0	2	1	0	2	9
Number of days E. wind,	1	0	0	0	0	0	1	1	2	3	0	0	8
Number of days N. E. wind,	4	4	10	6	6	11	17	10	5	4	2	2	80

REMARKS.

By clear days is meant days entirely clear; *i. e.*, no cloud whatever being visible.
By rainy days, that more or less rain (or snow) fell, without any reference to quantity.

SUMMARY OF METEOROLOGICAL OBSERVATIONS, 1869–70.

Average for		October.	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	Septem'r.	Year.
Thermometer,	7 A. M.	44	31	27	29	20	24	41	52	66	68	66	56	43
	2 P. M.	53	41	33	34	29	34	53	63	75	79	78	71	53
	9 P. M.	45	35	29	30	24	29	45	55	69	72	70	61	47
	daily,	47	36	29	31	25	29	47	60	69	73	71	62	48
Barometer,	7 A. M.	29.313	29.353	29.480	29.464	29.242	29.241	29.381	29.615	29.370	29.365	29.336	29.443	29.383
	2 P. M.	29.282	29.296	29.455	29.410	29.199	29.218	29.286	29.605	29.347	29.336	29.307	29.400	29.345
	9 P. M.	29.311	26.356	29.486	29.436	29.223	29.256	29.393	29.595	29.350	29.346	29.627	29.424	29.400
	daily,	29.302	29.335	29.473	29.436	29 221	29.238	29.353	29.605	29.355	29.349	29.423	29.422	29.375
Cloudiness,	7 A. M.	4.	4.	5.	5.	5.	5.	5.	6.	6.	3.	3.	5.	4.
	2 P. M.	4.	5.	5.	5.	5.	5.	6.	5.	6.	3.	4.	4.	4.
	9 P. M.	4.	5.	5.	5.	5.	5.	6.	5.	5.	4.	3.	6.	4.
	daily,	4.	4.	5.	5.	5.	5.	5.	5.	6.	3.	3.	5.	4.
Inches Rain and Snow Water,		9.81	2 43	5.25	6.34	3.04	2.34	6.03	2.40	2.09	2.39	1 74	1.40	3.77
" Snow,		.10	2.50	5.55	18.00	21.00	20.00	4.00	–	–	–	–	–	9.59

Amount of Rain and Snow registered at the State Lunatic Hospital, Worcester, Mass., for Thirty Years.

Year.	January.		February.		March.		April.		May.	June.	July.	Aug.	Sept.	October.		November.		December.		Total.	
	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Rain.	Inches Rain.	Inches Rain.	Inches Rain.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.
1841, . . .	4.78	25.50	.83	15.	3.43	20.	6 54	6.	3.46	.92	2.94	2 97	4.27	3.84	–	4.17	10.	4.77	6.	42.92	82.50
1842, . . .	1.35	5.	4.13	3.	2.24	4.	2.82	–	3.24	4.93	1.96	7.12	3.50	.83	–	3.36	2.	5.30	26.	40.78	40.00
1843, . . .	5.05	2.	4.45	30.	5.23	26.	3.13	10.	1.73	4.15	3.39	9.19	1.25	5.19	–	3 63	–	2.28	23.	48.67	91.
1844, . . .	3.14	13.50	1.44	12.	3.80	18.50	.35	–	3.67	1.92	3.50	3 39	3.68	7.34	–	3.06	5.	2.56	8.	37.85	57.
1845, . . .	4.17	12.	2.61	20.	3.29	10.	1.61	–	3.23	3.14	2.91	2.36	2.57	4.44	–	6.77	4.	5.39	13.	42.49	59.
1846, . . .	2.92	13.	2.50	30.	3.33	–	1.34	–	5.85	2.37	3.81	2.44	.90	2.19	–	4.08	5.	2.87	4.	34.60	52.
1847, . . .	4.66	5.	4.08	17.	3.89	8.	1.67	–	3.52	5.29	4 86	4.20	7.17	2.87	–	3.75	–	4.93	10.50	50.89	40.50
1848, . .	3.08	4.50	1.61	23.	3.89	6.	1.52	5.	6.82	1.31	3.13	3.19	2.36	5.75	–	1.94	7.75	3.93	25.	38.53	71.25
1849, . . .	.98	2.	1.30	16.50	4.75	3.	1.95	1.5	3.56	1.25	1.60	4.28	2 49	6.45	–	4.11	–	3.12	8.50	35.84	31.50
1850, . . .	4.79	15.	3.23	2.	3.67	20.	5.53	13.	7.50	3.25	3.75	6.05	7.92	3.37	–	2.14	.50	4.19	23.50	55.39	74.
1851, . . .	2.07	2.50	4.01	1.50	1.40	18.	6.76	6.	4.73	3.16	2.17	1.97	2.59	7.04	4.	5.68	5.50	2.30	5.50	43.88	43.
1852, . . .	5.44	17.	2.46	11.50	3.42	13.75	10.77	23.	3.15	3.53	3.42	11.38	3.36	3.89	–	5.88	4.	4.78	4.	61.48	73.25
1853, . . .	3.04	10.	8.09	11.	3.60	8.	4.92	–	5.45	1.01	3.29	10.71	5.26	6.20	–	5.30	–	3.79	20.50	60.66	49.50
1854, . . .	2.82	7.50	6.62	15.50	3.45	–	6.69	10.	6.78	3.05	5.68	.35	5.53	5.03	–	9.82	2.50	3.34	15.50	59.16	51.
1855, . . .	8.11	9.	4.48	8.	.23	4	5.39	–	1.64	4.19	9.40	4.06	.20	8.17	–	5.85	2.	6.90	11.	58.62	34.

1856, . . .	4.60	27.50	1.35	9.	1.69	10.25	3.34	–	6.55	1.44	2.68	13.14	3.39	2.65	–	2.03	2.59	4.08	3.	46.94	52.25
1857, . . .	4.48	29.	2.24	6.50	2.80	11.75	8.77	–	4.56	3.44	3.80	5.75	4.92	3.93	–	3.12	–	6.11	8.	53.92	55.25
1858, . . .	3.06	8.50	1.10	4.50	2.29	–	4.14	5.	4.13	5.16	4.18	4.	5.70	3.09	–	1.69	4.62	3.19	6.25	41.73	28.87
1859, . . .	5.75	24.50	3.67	18.75	7.71	4.75	2.90	1.	3.65	5.17	1.26	5.45	4.	2.46	–	3.	–	4.55	19.	49.57	68.
1860, . . .	1.34	14.75	2.77	20.	2.26	6.75	1.36	–	2.66	6.65	7.91	5.76	6.02	2.47	–	4.38	–	5.05	16.75	48.63	58.25
1861, . . .	4.33	28.25	1.60	.50	2.85	15.	5.71	13.	3.50	2.46	5.29	3.99	3.11	3.38	–	3.93	2.75	1.81	3.	41.96	62.50
1862, . . .	4.47	23.50	2.44	10.	3.51	3.	2.34	1.	1.87	7.44	6.10	2.64	2.14	3.22	–	5.35	3.	2.50	20.75	44.02	61.25
1863, . . .	4.09	10.50	3.42	12.	5.78	31.	5.28	5.	1.76	1.18	8.87	3.96	2.56	4.85	–	4.77	–	4.41	11.	50.93	69.50
1864, . . .	4.54	4.	1.74	5.75	3.90	10.5	5.66	11.5	5.96	2.4	1.68	3.11	2.93	4.29	–	4.81	–	3.67	15.25	44.33	46.10
1865, . . .	3.92	15.50	3.26	.85	4.72	–	2.51	–	5.33	1.72	3.37	3.39	.68	.51	–	2.36	–	2.75	8.3	34.52	24.65
1866, . . .	2.56	13.	5.27	1.75	3.18	5.	2.09	–	5.33	3.40	3.78	3 22	4.77	2 37	–	2.51	–	3.73	15.	42.15	34.75
1867, . . .	5.16	44.	4.42	9.50	4.40	22.	2.56	–	4.91	3.32	3.36	10.79	1.97	3.79	–	2 19	1.7	2.07	14.75	59.14	118.95
1868, . . .	3.27	27.	1.53	8.75	2.82	8.5	5.18	16.75	8.3	3.08	1.08	3.57	8.6	1.14	–	4.24	2.25	1.85	11.00	44.66	75.25
1869, . . .	2.82	11.50	5.49	16.80	4.83	11.50	2.52	1.50	5.77	3.08	1.40	2.21	4.74	9.81	.10	2.43	2.50	5.25	15.5	50.35	59.40
1870, . . .	6.34	18.00	3.04	21.00	2.34	20.	6.03	4.	2.40	2.09	2.39	1.74	1.40	–	–	–	–	–	–	–	–
Sums, . . .	117.13	443.00	95.18	361.65	104.70	319.25	121.38	133.25	131.01	95.50	112.96	146.38	109.98	120.56	4.10	116.35	67.57	111.48	371.55	1405.92	1740.87
Means, . .	3.90	14.76	3.17	12.05	3.49	10.64	4.04	4.44	4.36	3.18	3.76	4.87	3.66	4.18	.14	3.87	2.25	3.71	12.38	46.86	58.03

Flowering Season on Hospital Hill for Thirty-Two Years.

Trees, Shrubs, etc.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.
Almond, Flowering,	May 10	May 13	May 25	–	May 25	May 4	May 10	May 6	May 15	May 12	May 23	May 23	May 17	May 18	May 15	May 20	May 19
Apple,	10	11	24	May 9	14	2	8	4	22	9	18	18	14	17	10	14	15
Arbutus, Trailing,	–	–	Apr. 17	M'ch 27	–	Apr. 10	–	Apr. 2	–	Apr. 6	Apr. 13	Apr. 11	Apr. 10	Apr. 13	Apr. 9	Apr. 18	Apr. 15
Ash, Mountain,	–	30	May 28	–	25	–	23	–	29	–	June 2	June 6	June 1	June 5	May 22	May 30	June 12
Bloodroot,	Apr. 18	Apr. 19	8	–	3	–	25	12	1	22	–	–	Apr. 23	May 3	Apr. 26	12	May 12
Calicanthus,	–	May 23	June 4	–	29	–	20	May 15	28	–	–	3	May 23	25	June 4	June 6	June 4
Cherry,	28	Apr. 25	May 15	Apr. 24	9	21	Apr. 28	Apr. 24	10	29	May 6	May 5	Apr. 29	9	Apr. 30	May 8	May 7
" Wild,	May 6	May 2	21	May 5	15	27	May 5	27	–	May 13	19	–	–	10	27	16	14
Crocus,	Apr. 8	Apr. 1	–	April 7	Apr. 15	–	Apr. 12	9	Apr. 24	Apr. 10	Apr. 20	Apr. 10	4	Apr. 9	7	Apr. 10	Apr. 12
Currant, Missouri,	–	26	16	May 1	May 8	–	25	28	12	28	–	May 6	25	May 12	23	May 7	May 11
Dandelion,	–	23	1	Apr. 16	9	23	23	19	10	15	29	Apr. 15	22	3	22	10	Apr. 17
Daphne Mezereon,	–	–	–	–	–	8	M'ch 29	3	20	3	2	6	M'ch 30	Apr. 14	8	Apr. 20	24
Fever Bush,	–	20	8	May 1	–	17	Apr. 29	–	May 2	–	–	–	–	May 11	30	May 8	30
Geranium Maculat.,	May 21	May 18	28	–	28	–	May 22	May 16	25	May 19	May 24	May 30	May 18	28	May 22	30	May 23
Honeysuckle, Tart.,	–	16	27	14	25	–	15	13	27	16	–	3	–	24	13	30	23
Horse-Chestnut,	–	20	–	–	21	–	15	–	–	June 12	24	22	19	28	17	June 2	20
Hyacinth,	–	–	–	–	Apr. 29	–	1	Apr. 22	12	Apr. 14	Apr. 23	Apr. 18	Apr. 12	4	Apr. 25	May 6	16
Leatherwood,	Apr. 16	Apr. 16	Apr. 24	Apr. 12	25	16	Apr. 21	13	Apr. 25	–	7	May 13	–	12	29	6	10
Lilac,	May 16	May 16	May 27	–	May 24	May 4	May 15	May 8	May 25	May 17	May 24	28	May 18	27	May 17	22	20
" Persian,	18	–	30	–	20	–	19	17	–	21	June 3	June 27	25	24	19	26	17
Liverwort,	Apr. 9	Apr. 10	Apr. 23	11	Apr. 30	–	–	Apr. 15	9	Apr. 24	Apr. 30	Apr. 26	Apr. 22	Apr. 25	Apr. 23	Apr. 30	2
Maple, Red,	–	19	25	May 3	28	Apr. 12	Apr. 21	10	Apr. 21	16	11	23	May 2	28	11	23	Apr. 19
Narcissus,	–	May 19	May 27	–	–	–	–	–	–	May 17	May 5	May 27	19	May 29	May 26	May 28	30
Peach,	May 4	1	19	Apr. 22	May 12	24	May 1	25	May 11	Apr. 26	7	6	15	11	Apr. 30	9	8
Pyrus Japonica,	–	–	–	–	14	26	3	23	11	May 6	3	6	Apr. 30	9	30	10	1
Rose, Russian,	June 2	June 3	–	–	–	May 15	22	May 17	June 5	23	June 6	June 8	May 24	June 9	June 2	June 6	June 4
" Scotch,	May 27	May 26	–	–	–	–	20	–	–	27	14	14	June 6	20	6	10	6
Shad Bush,	2	Apr. 27	–	29	13	Apr. 20	4	Apr. 27	May 9	5	May 7	May 7	May 6	Apr. 28	May 4	May 30	May 26
Violet, Blue,	–	–	–	–	1	May 15	–	27	9	Apr. 25	2	8	–	May 6	Apr. 24	12	10
Wind Flower,	Apr. 19	24	7	23	Apr. 18	–	–	9	–	–	–	–	Apr. 24	1	23	Apr. 30	3

Flowering Season, &c.—Concluded.

Trees, Shrubs, etc.	1856.	1857.	1858.	1859.	1860.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.
Almond, Flowering,	May 22	May 25	May 17	May 8	May 10	–	–	–	May 19	May 3	May 20	May 25	May 5	May 4	May 15
Apple,	17	2	15	10	11	May 24	May 18	–	14	7	10	21	22	17	16
Arbutus, Trailing,	Apr. 23	April 2	Feb. 13	April 2	April 4	Apr. 11	Apr. 10	Apr. 18	Mar. 28	Mar. 30	Apr. 2	Apr. 13	Apr. 13	Apr. 7	Apr. 6
Ash, Mountain,	May 31	June 3	–	May 26	June 1	May 30	May 27	May 28	May 28	May 10	–	June 12	May 25	May 20	May 18
Bloodroot,	–	May 13	Apr. 26	4	May 3	–	4	5	3	Apr. 25	15	Apr. 20	15	2	Apr. 21
Calicanthus,	20	June 5	–	25	19	28	26	23	27	May 17	May 21	May 28	June 1	28	May 18
Cherry,	8	May 9	May 1	4	4	–	9	3	Apr. 29	Apr. 25	28	20	May 3	7	Apr. 28
" Wild,	13	3	10	–	–	12	–	–	May 7	May 2	–	13	20	11	May 12
Crocus,	Apr. 6	Mar. 23	April 1	–	Apr. 14	Apr. 12	Apr. 15	Apr. 13	Mar. 24	Mar. 21	Mar. 30	Apr. 4	Apr. 4	Apr. 7	Apr. 5
Currant, Missouri,	May 14	May 2	May 7	5	May 3	May 14	May 10	May 16	May 16	Apr. 28	Apr. 12	May 18	May 11	25	20
Dandelion,	2	Apr. 16	April 6	Mar. 31	Apr. 23	Apr. 25	Apr. 27	Apr. 24	Mar. 27	3	7	2	Apr. 4	11	13
Daphne Mezereon,	Apr. 16	Mar. 31	3	Apr. 13	6	11	17	13	Apr. 7	2	11	Apr. 20	17	20	15
Fever Bush,	May 3	–	–	–	–	–	–	–	28	20	–	May 13	May 31	May 3	May 4
Geranium Maculatum,	June 1	May 29	–	May 24	May 23	June 4	May 25	May 20	May 21	May 17	–	28	–	12	20
Honeysuckle, Tart.,	May 25	27	May 25	22	18	–	26	26	23	20	May 4	June 2	May 31	31	16
Horse-Chestnut,	24	26	28	22	23	May 28	22	20	21	18	–	3	June 4	June 1	14
Hyacinth,	Apr. 17	–	–	–	Apr. 22	–	–	–	Apr. 18	Apr. 15	Apr. 21	May 2	May 2	May 1	Apr. 10
Leatherwood,	–	–	–	–	–	–	–	–	20	10	–	28	11	10	May 4
Lilac,	May 24	26	16	17	May 18	26	20	20	May 21	May 15	May 10	June 3	27	28	18
" Persian,	31	–	–	26	20	June 8	31	26	31	20	–	7	31	30	20
Liverwort,	Apr. 19	–	–	–	–	Apr. 17	–	–	Apr. 21	Apr. 16	Apr. 25	Apr. 13	May 5	Apr. 30	Apr. 23
Maple, Red,	2	2	April 1	Apr. 24	April 8	–	Apr. 20	Apr. 23	19	Mar. 25	11	30	Apr. 21	20	15
Narcissus,	18	May 22	–	–	–	–	–	–	May 17	May 12	–	June 16	May 17	May 14	May 21
Peach,	13	14	28	–	May 5	–	May 18	–	16	2	–	May 13	14	9	Apr. 30
Pyrus Japonica,	12	15	May 1	May 7	5	May 16	11	May 10	8	Apr. 27	May 3	23	16	8	25
Rose, Russian,	June 3	June 12	–	31	31	June 8	28	28	27	May 17	–	June 12	June 11	30	May 15
" Scotch,	10	27	–	–	–	–	–	–	19	11	–	22	16	June 1	25
Shad Bush,	May 16	May 22	Apr. 30	6	7	May 12	11	10	8	Apr. 25	12	May 12	May 20	May 8	2
Violet, Blue,	Apr. 15	5	May 5	4	Apr. 28	9	Apr. 27	12	5	23	Apr. 25	10	9	Apr. 21	Apr. 26
Wind Flower,	May 5	12	Apr. 29	4	–	Apr. 28	27	Apr. 27	Apr. 21	17	22	Apr. 25	Apr. 20	22	22

APPENDIX TO SUPERINTENDENT'S REPORT.

The Superintendent's report for the year ending September 30, 1865, contained suggestions and recommendations which were endorsed by the Trustees in their report for the same year in the following words:—

"Another want sadly felt is some intermediate temporary residence for patients not fit for discharge, nor proper subjects for an insane ward: a place where can be tested their ability to live free from the actual restraints of the hospital before going to their homes and into the busy world. As was said in our last report, some of our patients are occupied in various employments in the town who return to the shelter of the hospital at night, not having confidence in their ability to leave its protecting influence altogether.

"It is believed that many might be discharged without fear of relapse, if some such intermediate step as this could be taken, instead of ushering them at once into active life.

"One or two cottages in the vicinity of the hospital, occupied by discreet persons now employed there, making a little family circle by the addition of a few selected patients, would be of great benefit to the hospital, in relieving its crowded wards, and to the patients in giving them a chance to show that they can live without restraint. Many persons when admitted as patients might with advantage be placed in these cottages.

"Some suggestion will be offered at a future time for a plan by which these improvements can be made without involving much expense.

"While no wasteful experiments should be encouraged, the intelligent Commonwealth of Massachusetts ought to require that not only every improvement of the age should be introduced into its system for the treatment of the insane, but that the State should lead in this branch of progress as it has in so many others."

The same suggestions were pressed in 1866, '67 and '68, and in 1869 they were again presented with a more complete plan for carrying out the wishes of the Trustees, and a more definite statement of their views in regard to the management of the insane. The result of all this was an attempt in the spring of 1869 to bond the right of purchase of certain lands in the easterly part of Worcester

bordering upon Lake Quinsigamond, owned by Charles Bowen, Mrs. Lucy A. Watson, Henry Prentice, and Robert Taft. After considerable time had been spent the effort was abandoned, and the right to purchase certain lands in the north-easterly part of the city was bonded of Walter Bigelow, Timothy Bancroft and others.

On the 30th of September, 1869, the Trustees—

Voted, That it was expedient to erect new hospital buildings on the land for which Dr. Bemis has procured bonds; and also,

Voted, That Dr. Bemis be authorized to secure by bonds a right to purchase such adjacent lands as he thinks expedient; also,

Voted, That Hon. Samuel E. Sewall be directed to prepare a petition to the legislature for leave to purchase land and erect a new hospital, said petition to be presented and examined at the next meeting of the Board.

In the meantime many of those who were interested in the project had visited the proposed site and expressed themselves strongly in favor of the first named location, the effort to bond which was now renewed and carried to a successful termination.

The legislature, in answer to the prayer of the Trustees' petition, granted, in the form of a loan to be paid for from the proceeds of the sale of the lands now occupied by the hospital within the limits of the city, one hundred thousand dollars, to be applied to the purchase of the new site. About three hundred and seventy-five acres of land have been purchased of Henry Prentice, Lucy Ann Watson, Robert Taft and Charles Bowen, at a cost of about one hundred and ten thousand dollars. It is desirable to purchase, for the purpose of straightening lines and rendering the estate more compact, several small lots numbered 1, 2, 3, 4, 5, on the plan. Nos. 1 and 2 are very small lots, and there is upon each a small house. That upon No. 1 is entirely worthless, except to the present occupant. No. 3 is the most valuable lot and contains about eight acres. Its purchase is important as, in its present condition, it makes an awkward projection of another man's estate into and near the middle of the north side of the hospital estate. No. 5 is important only as straightening the boundary line. No. 4 contains about fourteen acres, and is important both from its position as straightening the boundary line, and also as containing valuable springs.

For similar reasons it will be desirable to dispose of the lot marked (B) in the plan. This lot is now covered with wood, which may be cleared off and then the land disposed of, thus realizing a sum, sufficient perhaps to pay for the lots which we desire to purchase. The lot marked (A), containing about three and a half acres,

may very properly be offered for sale in the future as not being necessary to the hospital, after the estate has become somewhat developed. This lot, however, should not be disposed of until the hospital has secured its approaches both from the city and from the railroad, which passes very near to this point. [See plan of lands, p. 100.]

This estate is situated in the easterly part of the city, near the Boston and Albany Railroad, about one mile from the present hospital buildings, and about the same distance from the Central Railroad Station. The old Worcester turnpike forms the southern boundary line of all the estate except the lot marked (A) on the plan. Lake Quinsigamond is on the eastern border, and Mill Stone Hill, so called, divides and separates the western border from the city. It is crossed but by one thoroughfare, a town road, known as Love Lane.

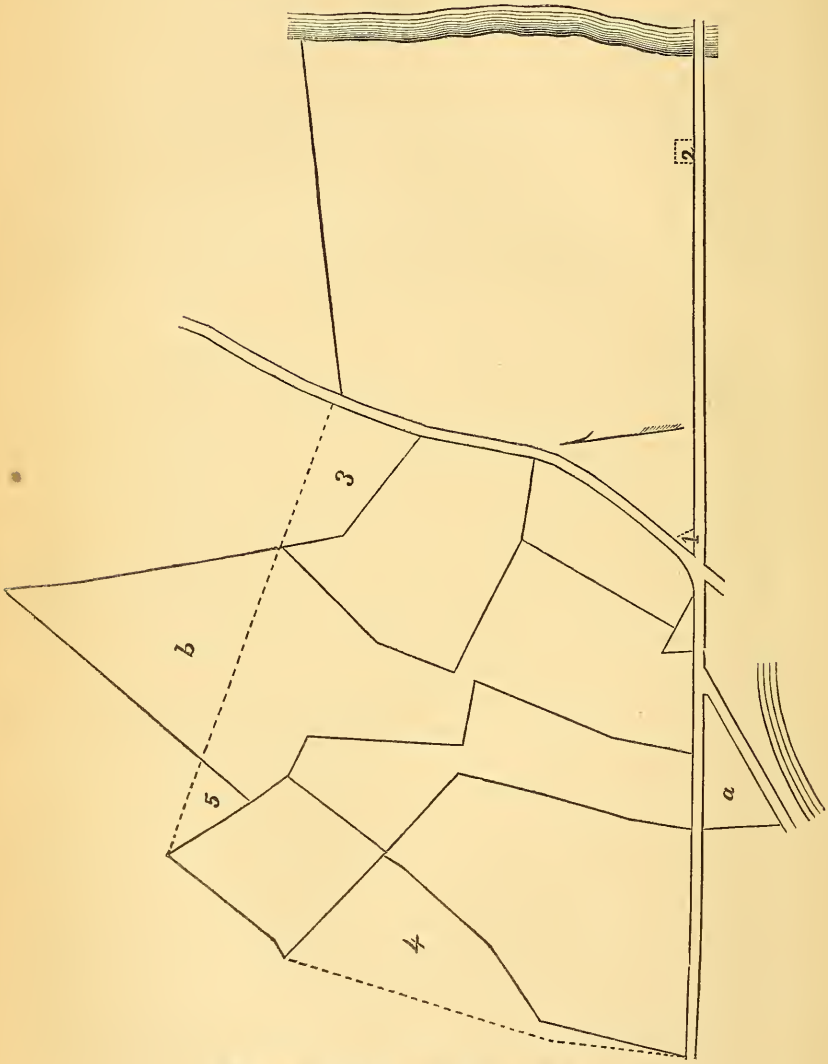
The estate has generally an eastern and south-eastern slope, though a portion of it has a full southern slope. It is well sheltered, warm, and vegetation starts upon it early in the spring.

The eastern and western borders are very finely skirted with wood. The soil is, much of it, a gravelly loam, though the highest land upon the estate is clay. The rocky ledge of Mill Stone Hill breaks out on the western border where it is covered with a fine growth of wood. The rock does not extend sufficiently far into the estate to interfere with any development necessary for hospital purposes. Nor does it extend far enough to make any additional drainage necessary for hygienic reasons.

On the estate there are five good, substantial dwelling-houses, surrounded with gardens and orchards, such as are found on well-to-do country farms. These will in the spring be occupied by thirty or forty patients and their attendants. Although built without any reference to such uses, they will be occupied without alteration or special preparation for at least one year, in order to test the question whether, on an estate set apart for the purpose, with skilful attendants, under proper medical and supervisory care, a fair proportion of insane persons such as are ordinarily found in lunatic hospitals, cannot be better cared for than in any at present existing accommodations.

The failures and successes, the disappointments and difficulties of this plan, will be fully and honestly presented in my next annual report.

If the plan meets with any success, I shall also present a topographical map of the estate, with plans for such new structures as seem to me to be desirable for the proper accommodation, care and restoration of the insane.



Plan of the Lands.

The prominent features of the plan have been very briefly mentioned in several of my annual reports, and may be here anticipated by repeating a few general statements made in my report of last year.

For the best management and control of persons afflicted with mental aberration to that degree which requires interference and restraint, it is necessary that places be provided where they can be kept quite separate from relatives and friends and all those persons whom in health they have been in the habit of commanding or controlling; and where they will be removed from all objects likely to produce the same class of mental operations which accompanied the invasion of the disease.

The first consideration of importance is the proper location of the buildings. The site should be elevated, and if possible on a sunny slope, and by no means in a cold or exposed situation. The soil should be gravel, and there should be such a supply of pure water as to make the *quantity* used daily of no importance. The estate should be near but not immediately adjoining a large town, having abundant railroad facilities, and should be thoroughly enclosed by a high and substantial wall and furnished with a gatekeeper's lodge at the entrance. The surface of the land should be uneven and broken by groves and scattering trees of natural growth. The quality of the soil is of but little consequence in comparison to the quantity. But a heavy clay sub-soil should be avoided.

The buildings should be mainly of two stories and should be constructed in the most substantial manner of brick or stone and made as cheerful and pleasing in their aspect as a due regard to a wise economy will permit.

They should consist of, first, a hospital proper containing every facility in its construction for classification, seclusion and treatment which ingenuity can devise or skill create. This will be best obtained by the erection of separate blocks or wings at some little distance from each other, connected by light, airy passages or corridors, under which shall be a continuous basement. Each block or wing shall contain within itself every comfort and every facility for the care of its patients and shall be to all intents and purposes a separate and detached hospital. In the lower story there should be the dining-rooms, sculleries, lavatories, water-closets, sitting-rooms, billiard-rooms, reading-rooms and an occasional room for temporary seclusion of excited patients. The lower story should be connected with the upper story by a wide, light and easy stairway, and this story should contain the sleeping apartments, bathing-rooms,

water-closets, wardrobe and dressing-rooms, and rooms for seclusion, when necessary, and also semi-secluded rooms for the sick, and proper chambers and offices for the nurses.

The rooms should all be lighted by large and pleasant windows, commanding the most pleasing views the situation will permit. The rooms on the lower floor should be large, cheerful and airy, well warmed at all times and thoroughly ventilated. The rooms of the upper story should be of convenient size and have every comfort and convenience of sleeping-rooms and sick-rooms. The bathing-rooms, water-closets and lavatories should be large, light, airy and of materials which do not absorb moisture. Each room should be thoroughly ventilated by separate flues carried to the main ventilating shaft or duct. The kitchen and domestic offices should be at or near and in the rear of the centre of this proposed group of separate and detached wings or blocks. The public offices, medical offices and business offices should be at or near and in front of the centre.

The corridor basement should connect each wing or block as well as the corridor above with the central offices and with each other, and in this basement will be placed facilities for conveying all supplies from the kitchen and stores to the wings or blocks.

The males should occupy apartments on one side of the central offices and the females on the other, and all the accommodations should be separate and distinct from each other.

This centre group of blocks or wings should be of sufficient capacity to accommodate in the best possible manner about one-third of the whole number of patients destined to be managed and controlled in the whole establishment. The remaining two-thirds should be accommodated in structures of a different character, but should be subject to the same management and control.

So far as the hospital proper is concerned, the objects sought are, a more perfect and complete ventilation, so that the atmosphere of one ward should not diffuse itself through any other ward, but should escape at once into the open air, while its place is supplied as speedily by the purest air obtainable from the common supply of the whole atmosphere outside; a more complete separation of those cases requiring special treatment and needing rest and seclusion; and a more sunny and cheerful aspect to the various wards; and less interference and discomfort from the general conduct of a large hospital.

The question of the plan would simply be, first, What is the structure most conducive to health? second, What is the most convenient and economical? That is, How can we best secure perfect ventila-

tion, plenty of sunlight on all sides, pleasing views from all lookouts, and easy and convenient means of communication?

In order to realize all these advantages the wings or blocks may be arranged in any way in reference to each other, but it will generally be found best if placed in a line or side by side, thus diminishing the distance to be traversed in going from wing to wing, and facilitating the administration of affairs.

This allows covered passage-ways between all parts of the hospital without interfering with light or ventilation, and will afford the means for cozy vine-covered walks and protected flower-gardens for the exercising grounds of this class of patients.

The remaining two-thirds of the whole number of patients destined to be cared for in the establishment, should be accommodated in houses of smaller capacity built for the purpose on the grounds of the institution and within its enclosures.

These houses should be of sufficient capacity to accommodate twelve to fifteen persons each, and should be of two stories in height, having all day accommodations in the first story, and all sleeping, and bathing, and dressing accommodations in the second story. The store-rooms should be placed in the basement, which should be high and dry. These houses should be plainly and substantially built of brick or stone, plainly furnished, and should be models of neatness and convenience. The cooking apparatus of each of these houses should be worthy of Yankee ingenuity and skill, and should be made to warm and ventilate all the rooms of the houses during the cold season of the year as well as to warm all the water for the bathing purposes of the family.

These houses may be placed at such distances from each other as the extent of the estate will permit; care being taken only to select sunny and cheerful spots in protected situations. Those occupied by the males should be at a little distance and somewhat different in character and convenience from those occupied by females, and should be separated from them by a drive-way and such other distinctions as may be convenient. There should be no interior divisions of the estate except at the hospital proper and such as are needed for the protection of growing crops.

Each house should have its garden for fruits, flowers and vegetables, which should be cultivated by members of the family. Each garden should have its own walks, which should unite and harmonize with the general walk and drive through the whole grounds.

Naturally enough the houses on the side near the farm-house and stables should be occupied by the farm laborers.

Those near the shops and engine-house would best accommodate the mechanics, gardeners and chore-men.

On the other side the houses near the laundry and bakery will accommodate the laboring women, housekeepers, seamstresses, &c.

At a little distance from these the houses will be occupied by women, wives and daughters not accustomed to severe labor, who will pass their time in light employments and in the gardens and grounds of the institution.

And still further remote, almost outside the gates, should be one for each sex of still better character, partially secluded from all others, which should be furnished for and occupied by convalescents during the few weeks or months just previous to leaving the control of the institution for the duties of active life.

At or near the central group, or hospital proper, should be placed the steam-works for heating and ventilating, pumping, &c.; the laundry, bakery, a model bathing-house and the general store-house, from which all supplies should be issued by an order from the proper office, and a strict account kept with every family receiving such supplies.

Here, too, should be the gymnasium, recreation rooms, lecture rooms, general library and chapel.

Here also should be a system of experimental shops for such persons as cannot be expected to engage in useful labor, but who would while away much of their time in rational activity, and thus promote a speedy restoration to sound health of body and mind.

Could this plan be adopted and carried out, a wide step would be taken in advance of any existing arrangement for the care and recovery of the insane. In doing so a departure would of course be made from the general style and character of hospital buildings.

The question may be fairly asked, How can these results be attained? The legislature has granted permission to purchase, occupy and improve a suitable tract of land, and on it quietly and energetically commence building, according to the proposed plans, and eventually, as opportunity occurs, put the lands at present owned by the hospital into the market, occupying the same until the new structures are erected, the legislature in the meantime giving to the Trustees, with suitable checks and guarantees, the credit of the State to the extent of one hundred thousand dollars.

My estimate of the value of the lands was one year ago as follows: The lot upon which the hospital now stands contains twelve and six-tenths acres, and at thirty cents per foot will amount to $164,656.80.

The lot on which the barns are located contains four and twenty-

five-hundredths acres, and at thirty cents per foot will amount to $55,539.

Ten acres bordering upon Mulberry and Central Streets, at twenty cents per foot, will amount to $87,120.

Ten acres bordering upon a continuation of Laurel and Wilmot Streets, at ten cents per foot, will amount to $43,560.

Ten acres on Rattlesnake Hill, so called, at five cents per foot, will amount to $21,780.

Forty acres on Chandler Hill, between Belmont Street and a continuation of Laurel Street, should be offered to the city of Worcester for the purpose of a park, and at two thousand dollars per acre will amount to $80,000.

The remaining seventeen acres lying between Shrewsbury Street and the continuation of Laurel Street, at one thousand dollars per acre, will amount to $17,000, making a total of $469,655.80.

You will notice that this calculation is based upon a value per foot considerably less than the several lots are appraised by competent judges.

You must remember that the value of land in this vicinity is constantly increasing, and by the time new structures shall be completed will be very considerably augmented. [See plan of lands, p. 106.]

The legislative Committee on Charitable Institutions not being satisfied with this appraisal, requested Mr. Ely, a real estate agent of Worcester, to make an appraisal and report to them, which he did, as follows :—

WORCESTER, MASS., January 25, 1870.

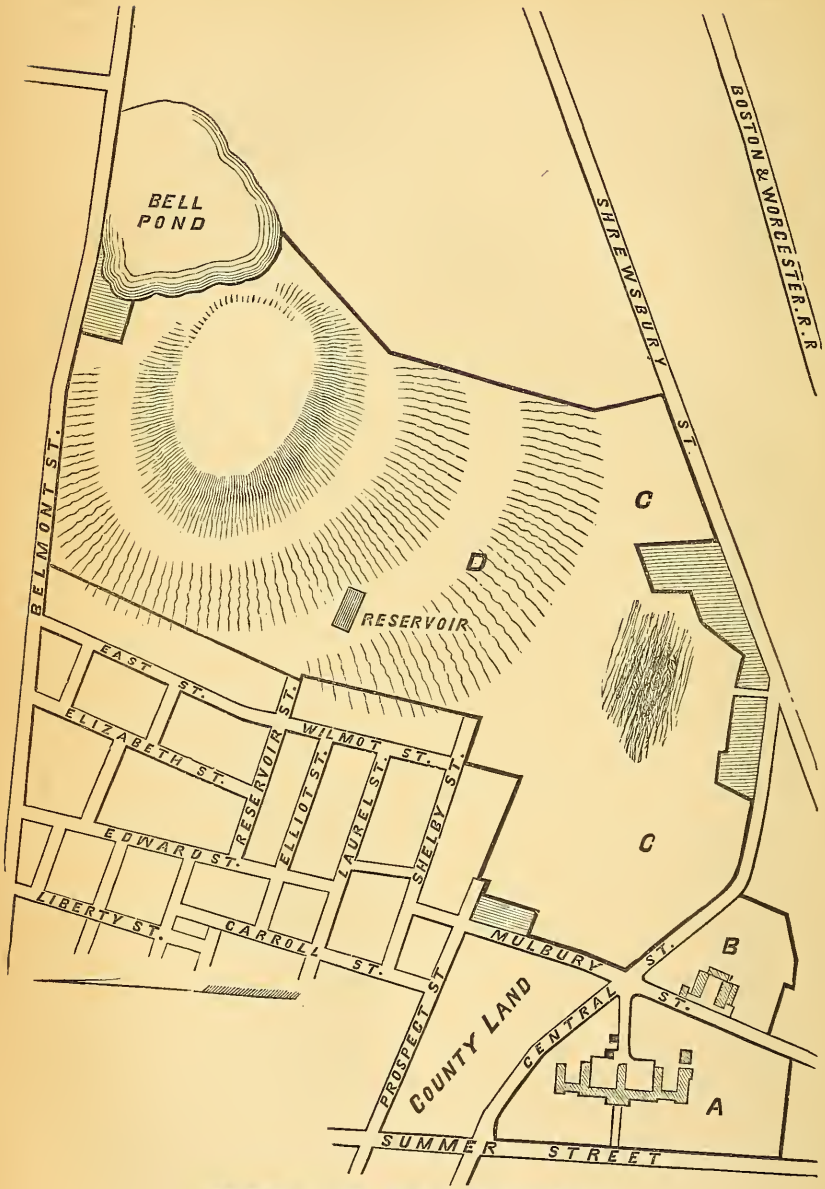
Committee on Charitable Institutions.

GENTLEMEN,—Agreeably to request I herewith submit to you my estimate of the value of land now occupied by the State Lunatic Hospital in this city, or what I think can be realized for the same, within three years, by proper management in the sale thereof:—

Hospital lot, . . .	12.6	acres	at	60	cents	per foot,	$329,303 60
Barn lot, . . .	4.5	"	"	40	"	"	78,408 00
Mulberry & Central St. lots,	10	"	"	25	"	"	108,900 00
Laurel & Wilmot St. lots,	10	"	"	15	"	"	65,340 00
Rattlesnake Hill, . .	10	"	"	5	"	"	21,780 00
Chandler Hill, . .	40	"	"	$2,000	per	acre,	80,000 00
Shrewsbury Street, . .	17	"	"	1,000	"	"	17,000 00
							$700,731 60

Respectfully, L. A. ELY.

This appraisal being higher than was anticipated, some members of the Finance Committee of the legislature desired another esti-



Plan of the Lands.

mate made by two or more persons. The services of Messrs. Emory Banister and David S. Messenger, well known public appraisers, and old residents of Worcester, were obtained, and the following is their statement:—

GENTLEMEN,—The following is the result of the appraisal made by Emory Banister and David S. Messenger of the property of the Worcester Lunatic Hospital, February 22, 1870:—

Hospital lot, . .	548,656 feet at 30 cents per foot,	$164,656 80
Barn lot, . . .	185,130 " " 25 " "	46,282 50
Mulberry St. lots, .	185,130 " " 25 " "	46,282 50
E. Central St. lot, .	592,417 " " 25 " "	47,393 36
Lot No. 6, $12\frac{1}{4}$ acres, ...		12,250 00
Lot No. 7, $12\frac{1}{2}$ "		6,250 00
Lot No. 8, Chandler Hill, $36\frac{6}{10}$ acres, ...		36,600 00
Lot No. 9, Belmont St., $11\frac{1}{4}$ "		22,500 00
		$382,215 16
All other property (not personal), ...		50,500 00
Total, ...		$432,715 16

(Signed,) EMORY BANISTER.
D. S. MESSENGER.

From these several appraisals it will be seen that with judicious management a sum not much short of $500,000 may be realized from the sale of the present site. It is to be hoped that the new hospital, when complete, with accommodations for four hundred and fifty patients, will not have cost much more than that sum. Indeed, it is fairly believed that, with prudent use of the means within the control of the Trustees, the whole may be accomplished without involving the Commonwealth in any expense beyond the use of certain sums of money until a portion of the lands have been disposed of.

As no lots have yet been sold, and as the $100,000, so generously loaned by the legislature, have been expended in the purchase of the new site, and your Board have assumed a debt of about $10,000 in order to complete the purchase, giving your notes for the same, and as at present we have no means for the development of the newly purchased site, it is earnestly desired that the legislature would grant a further loan of about $30,000, with which to cancel your obligations to the former owners of the lands, and also to commence the work of grading and building farm buildings, so that the estate may be fully and usefully occupied.

It is fairly believed that no further loan from the State will be needed, as in all probability certain portions of the land now occupied will be disposed of in the course of the present year, affording at least sufficient means for the prosecution of the work.

With such assistance as is now asked, the work will be faithfully and scrupulously pursued, and every honest effort will be made to insure its ultimate success.

MERRICK BEMIS.

WORCESTER LUNATIC HOSPITAL, WORCESTER, MASS., October 1, 1870.

APR 25 '39 W.P.A.